# **ECOWEEK**

29 November 2021 N°21-43

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### **EDITORIAL**

"High inflation, optionality and central bank patience"

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The bank for a changing world **EDITORIAL** 

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### HIGH INFLATION, OPTIONALITY AND CENTRAL BANK PATIENCE

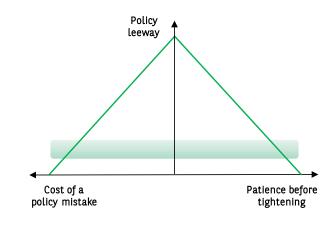
The ECB insists on the need for patience before considering a policy tightening, despite current elevated levels of inflation. It believes that inflation will decline next year and that a wage-price spiral is unlikely to develop. Moreover, inflation expectations remain well anchored. Demand in the euro area is suffering from the headwind created by the jump in energy prices. Reacting to this type of inflation by tightening monetary policy would create the risk of reducing demand even more. To avoid such an outcome, it makes sense for the central bank to wait for more information to arrive, thereby adopting a risk management approach of monetary policy. When policy leeway is limited, central banks, confronted with a high degree of uncertainty, will opt for a patient stance considering the potential cost of a policy mistake. The higher their credibility, the more they can be patient.

Recent speeches of the ECB president and several governing council members have referred to the need for patience before considering a policy tightening, despite current elevated levels of inflation. Several factors explain this stance. First, a high conviction that, as of early next year, inflation will start to decline under the influence of favourable base effects. Two, a view that despite an expected pick-up in wage growth, a wage-price spiral is unlikely to develop. Three and related to the previous point, the observation that market-based and surveybased inflation expectations remain well anchored. This anchoring reduces the likelihood of a wage-price spiral developing. Recently, ECB officials have insisted on the specific nature of, at least part of, the current high inflation. The pace of price increases has picked up strongly due to a negative supply shock, whereby the jump in energy prices weighs on households' spending power and company profits. This 'bad inflation' represents a headwind to demand.1 Reacting to the supply-driven increase in inflation by tightening monetary policy would create the risk of reducing demand even more. Moreover, given the considerable lags between monetary policy decisions and their impact on the economy, there is a genuine and understandable concern that, by the time official interest rates would start to influence demand, the reason behind the policy tightening would have vanished because energy prices would have declined.2 With the benefit of hindsight, the monetary tightening could turn out to have been premature. To avoid such an outcome, it makes sense for the central bank to wait for more information to arrive in order to take a better-informed decision. This risk management approach of monetary policy has been made popular by Alan Greenspan during his tenure as Federal Reserve chairman. "Given our inevitably incomplete knowledge about key structural aspects of an ever-changing economy and the sometimes asymmetric costs or benefits of particular outcomes, a central bank needs to consider not only the most likely future path for the economy but also the distribution of possible outcomes about that path. The

decision makers then need to reach a judgment about the probabilities, costs, and benefits of the various possible outcomes under alternative choices for policy." <sup>3</sup>

At present, this approach is reflected in the frequent use of the word 'optionality' in statements of ECB governing council members.<sup>4</sup> The approach is reminiscent of the literature on corporate investment

### INFLATION UNCERTAINTY AND MONETARY POLICY TIGHTENING



SOURCE: BNP PARIBAS



<sup>2.</sup> From an inflation perspective, a mere stabilization of energy prices is sufficient for inflation, over time, to decline due to base effects.



A rate hike followed by an equivalent cut would still leave the economy worse off. When policy leeway is limited, central banks, confronted with a high degree of uncertainty, will opt for a patient stance considering the potential cost of a policy mistake.



<sup>3.</sup> Risk and Uncertainty in Monetary Policy, Remarks by Chairman Alan Greenspan at the meetings of the American Economic Association, San Diego, California, 3 January 2004, Federal Reserve.

<sup>4. &</sup>quot;While an increase in the upside risks to inflation had to be acknowledged, it was deemed important for the Governing Council to avoid an overreaction as well as unwarranted inaction, and to keep sufficient optionality in calibrating its monetary policy measures to address all inflation scenarios that might unfold." Source: ECB, Account of the monetary policy meeting of the Governing Council of the European Central Bank held in Frankfurt am Main on Wednesday and Thursday, 27-28 October 2021.



under uncertainty. Back in 1980, Ben Bernanke<sup>5</sup> showed that, when investment is irreversible, uncertainty increases the value of waiting for new information. The latter implies companies are able to make a better-informed judgment, so the risk of taking the wrong decision is reduced. However, such behaviour may retard the current rate of investment: uncertainty is bad for business capital formation. Transposing these concepts to the conduct of monetary policy, the ECB and several other central banks in advanced economies are faced with uncertainty about the inflation outlook. This is to a large degree related to the question whether the high inflation triggered by the negative supply shock could lead to a wage-price spiral. What complicates matters is that the policy leeway of the central bank is very low: official interest rates are negative and years of QE have influenced the pricing of financial and also real assets, such as real estate. As a consequence, the effectiveness of additional easing may be quite limited. For the central bank, it is important to avoid creating the conditions that would require further easing<sup>6</sup>. In addition, it seems likely that activity and demand would react more quickly to a policy tightening than to an easing of an equivalent size, because in the latter case, uncertainty would have increased and confidence declined. It takes time to reverse these negative 'animal spirits'. As a consequence, a rate hike followed by an equivalent cut would still leave the economy worse off. This represents the cost of a policy mistake. When policy leeway is limited, central banks, confronted with a high degree of uncertainty, will opt for a patient stance considering the potential cost of a policy mistake. The higher their credibility, the more they can be patient, because inflation expectations should remain well anchored. It is for this reason that the ECB strongly insists on its decisiveness to act when circumstances require so.7

William De Vijlder

<sup>7.</sup> In a recent interview, Christine Lagarde was asked "So can you assure us that you will raise interest rates when necessary?" Her answer was very clear: "Of course, we will act when necessary." Source: ECB, Interview with Christine Lagarde, Frankfurter Allgemeine Sonntagszeitung, 26 November 2021



<sup>5.</sup> Ben Bernanke, Irreversibility, uncertainty, and cyclical investment, NBER working paper 502, July 1980.

<sup>6.</sup> As shown in the exhibit, if there is a lot of room to ease policy (policy leeway is high), a central bank could afford taking some risk by tightening. Should it turn out to be an ill-timed decision, there would be enough room to cut rates to boost the economy.



### **MARKETS OVERVIEW**

### **OVERVIEW**

Week 19-11 21 to 26-	11-21				
≥ CAC 40	7 112	۲	6 740	-5.2	%
≥ S&P 500	4 698	١	4 595	-2.2	%
<b> →</b> Volatility (VIX)	17.9	١	28.6	+10.7	pb
¥ Euribor 3M (%)	-0.56	۲	-0.57	-1.3	bp
<b>7</b> Libor \$ 3M (%)	0.16	١	0.18	+1.1	bp
<b>7</b> OAT 10y (%)	-0.07	١	-0.04	+2.7	bp
Bund 10y (%)	-0.34	١	-0.34	+0.0	bp
■ US Tr. 10y (%)	1.53	١	1.47	-5.2	bp
Euro vs dollar	1.13	١	1.13	-0.0	%
Gold (ounce, \$)	1 860	١	1 799	-3.2	%
→ Oil (Brent. S)	79.0	١	82.4	+4.2	%

### **MONEY & BOND MARKETS**

Interest Rates		highest	21	lowest	21	Yield (%)		high	est 21	lov	est 21
€ ECB	0.00	0.00 at	01/01	0.00 at	01/01	€ AVG 5-7y	-0.21	0.03	at 29/10	-0.46	at 04/01
Eonia	-0.49	-0.47 at	26/01	-0.50 at	01/01	Bund 2y	-0.81	-0.58	at 29/10	-0.82	at 19/11
Euribor 3M	-0.57	-0.53 at	07/05	-0.58 at	24/11	Bund 10y	-0.34	-0.09	at 22/10	-0.60	at 04/01
Euribor 12M	-0.49	-0.44 at	01/11	-0.52 at	02/02	OAT 10y	-0.04	0.23	at 17/05	-0.41	at 04/01
\$ FED	0.25	0.25 at	01/01	0.25 at	01/01	Corp. BBB	0.87	0.87	at 26/11	0.43	at 05/08
Libor 3M	0.18	0.24 at	13/01	0.11 at	09/09	\$ Treas. 2y	0.46	0.58	at 25/11	0.11	at 05/02
Libor 12M	0.41	0.47 at	25/11	0.22 at	06/09	Treas. 10y	1.47	1.75	at 31/03	0.91	at 01/01
£ BoE	0.10	0.10 at	01/01	0.10 at	01/01	High Yield	5.40	5.40	at 26/11	4.52	at 29/06
Libor 3M	0.10	0.25 at	28/10	0.03 at	01/01	£ gilt. 2y	0.46	0.70	at 03/11	-0.08	at 04/01
Libor 12M	0.63	0.85 at	28/10	0.07 at	11/01	gilt. 10y	0.83	1.20	at 21/10	0.21	at 04/01
At 26-11-21	-					At 26-11-21					

#### **EXCHANGE RATES**

1€ =		highest	21	low	est	21	2021
USD	1.13	1.23 at	06/01	1.12	at	24/11	-7.5%
GBP	0.85	0.91 at	06/01	0.84	at	22/11	-5.2%
CHF	1.04	1.11 at	04/03	1.04	at	26/11	-3.5%
JPY	128.03	133.97 at	28/05	125.22	at	18/01	+1.4%
AUD	1.59	1.64 at	20/08	1.53	at	18/03	+0.1%
CNY	7.23	8.00 at	01/01	7.15	at	24/11	-9.6%
BRL	6.32	6.95 at	03/03	5.88	at	24/06	-0.5%
RUB	85.50	92.47 at	20/04	80.71	at	26/10	-5.5%
INR	84.72	90.39 at	23/04	83.30	at	24/11	-5.2%
At 26-11	-21					_	Change

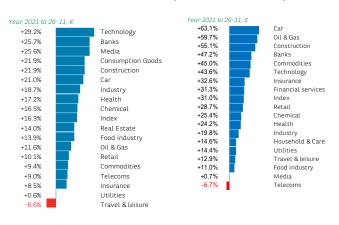
### **COMMODITIES**

Spot price, \$		highe	est 2	21	low	est	21	2021	2021(€)
Oil, Brent	82.4	86.5	at	26/10	51.2	at	04/01	+58.7%	+71.6%
Gold (ounce)	1 799	1 947	at	05/01	1 682	at	08/03	-5.2%	+2.5%
Metals, LMEX	4 477	4 763	at	15/10	3 415	at	01/01	+31.1%	+41.8%
Copper (ton)	9 572	11 300	at	18/10	7 749	at	01/01	+23.5%	+33.6%
wheat (ton)	238	2.9	at	07/05	223	at	10/09	-3.9%	+4.0%
Corn (ton)	226	2.9	at	07/05	188	at	04/01	+2.0%	+29.6%
At 26-11-21						_			Change

### **EQUITY INDICES**

	Index	highest :	21	low	est 2	21	2021
World							
MSCI World	3 132	3 238 at	08/11	2 662	at	29/01	+16.4%
North America							
S&P500	4 595	4 705 at	18/11	3 701	at	04/01	+22.3%
Europe							
EuroStoxx50	4 090	4 401 at	16/11	3 481	at	29/01	+15.1%
CAC 40	6 740	7 157 at	17/11	5 399	at	29/01	+2.1%
DAX 30	15 257	16 251 at	17/11	13 433	at	29/01	+11.2%
IBEX 35	8 403	9 281 at	14/06	7 758	at	29/01	+0.4%
FTSE100	7 044	7 384 at	11/11	6 407	at	29/01	+0.9%
Asia							
MSCI, loc.	1 140	1 196 at	14/09	1 044	at	06/01	+0.9%
Nikkei	28 752	30 670 at	14/09	27 013	at	20/08	+4.8%
Emerging							
MSCI Emerging (\$)	1 223	1 445 at	17/02	1 221	at	20/08	-0.5%
China	88	130 at	17/02	87	at	06/10	-18.8%
India	821	877 at	12/11	659	at	29/01	+24.6%
Brazil	1 422	2 098 at	24/06	1 418	at	22/11	-18.5%
Russia	753	914 at	25/10	647	at	01/02	+14.8%
At 26-11-21						-	Change

### PERFORMANCE BY SECTOR (Eurostoxx50 & S&P500)



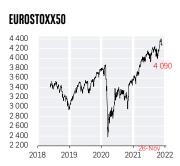
SOURCE: REFINITIV, BNP PARIBAS,

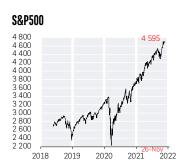




### **MARKETS OVERVIEW**







### 90 80 70 60 50

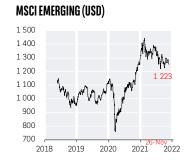
30

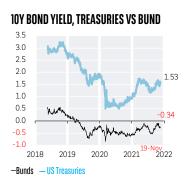
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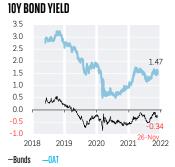
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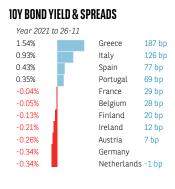
2018



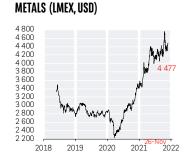


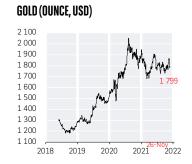












SOURCE: REFINITIV, BNP PARIBAS



### **ECONOMIC PULSE**

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### EUROZONE: THE CREDIT IMPULSE REMAINED NEGATIVE IN Q3 DESPITE THE UPTURN IN DEMAND FOR FINANCING

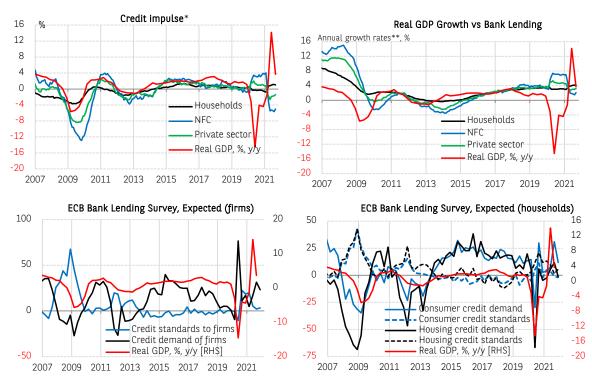
In September 2021 a slight acceleration in lending to eurozone non-financial companies (NFCs), which rose 2.1% y/y from 1.9% in June, interrupted the deterioration of the credit impulse (which reflects the year-on-year change in outstanding loans). However, this remained negative (-1.4% in September, from -1.9% in June) due to a high basis of comparison. In the spring of 2020, the introduction of measures to support company cash positions by governments across the Eurozone resulted in exceptionally strong growth in bank loans to NFCs. From March 2021, the virtual cessation of new guaranteed loans to NFCs, along with the initial wave of repayments, stemmed growth in outstanding loans, creating a net contraction in the credit impulse. In September, the annual growth rate of outstanding loans to NFCs was particularly strong in Germany (3.4%, from 1.7% in June), but slowed in France (2.8% from 3.5%) and Italy (0.8% from 3.8%), and was negative in Spain (-1.8% from -1.5%).

Strong growth in lending to households continued in September (4.1% y/y, from 4% in June). The exceptionally low level of interest rates continued to support mortgage lending (up 5.5% y/y), whilst consumer credit remained stable (up 0.4% y/y). Banks surveyed in the ECB's Bank Lending Survey (conducted between 20 September and 5 October 2021, with the results published on 26 October) reported that demand for housing loans firmed up in the Eurozone's four biggest economies in the third quarter. Demand for consumer credit was reported as growing in Germany, Spain and Italy and stable in France.

Due to the unusually countercyclical role played by bank lending in 2020, and in a continuation of the trends seen in the second and third quarters, the Eurozone's on-going economic recovery in the final quarter of 2021 (after a 14.2% y/y jump in real GDP in Q2 followed by 3.7% growth in Q3) is unlikely to be accompanied by an upturn in outstanding loans on the scale one might normally expect to see at this stage of the cycle. Looking ahead to the fourth quarter of 2021, the banks surveyed by the ECB expected to tighten, albeit slightly, their credit standards for loans to firms and housing loans. Credit institutions were also expecting an acceleration in the demand for financing from companies. These are encouraging projections, provided that any resurgence in the pandemic does not result in the introduction of restrictions on a scale that would damage economic activity in the short term.

Céline Choulet

#### **EUROZONE: CREDIT IMPULSE**



SOURCE: ECB SURVEY ON THE DISTRIBUTION OF CREDIT, BLS, BNP PARIBAS CALCULATIONS

\*Credit impulse is measured as the annual change of the annual growth rate of MFI loans \*\* Adjusted for securitizations



### **ECONOMIC PULSE**

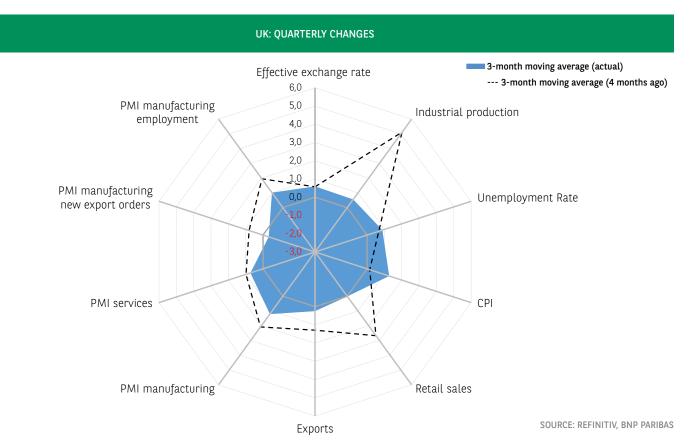
7

### **UNITED KINGDOM: COMING IN TO LAND**

Although there was no lack of effort from the British government in dealing with the coronavirus pandemic (20 points of GDP was directly transferred to the economy to tackle the health crisis, twice the European average), it was also one of the first to have decreed the end of "whatever it takes". In October, the main employment support measures – the Coronavirus Job Retention Scheme and the Self-Employed Income Support Scheme – came to an end. Some 1.5 million Britons who had been on 'furlough' within companies thus returned to the labour market, which could push up the unemployment rate (which fell to 4.3% in August). Alongside the employment measures the GBP20 weekly uplift in Universal credit, reduced VAT rates in hotels and restaurants and the stamp duty holiday on real estate transactions also came to an end.

Unsurprisingly, the number of house sales tumbled in October, whilst in general terms, economic indicators now look less euphoric. Household confidence and consumption, which had been the main engine of economic recovery, are now marking time. The quarter-on-quarter change in retail sales shows a clear negative trend in purchases of goods, particularly cars. Driven by the increase in regulated energy costs, inflation is accelerating, which could eat into purchasing power, especially at the lower end of the income scale. At 4.2% in the year to October, inflation is moving ever further away from the Bank of England's 2% target, so the Bank may be forced to act. Market expectations suggest that its main policy rate, currently set at 0.10%, will be increased by 15 basis points at the next meeting of the Monetary Policy Committee, due on 16 December.

Jean-Luc Proutat



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 -3 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**

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### COVID-19: VACCINE BOOSTERS TO HELP TACKLE THE HEALTH SITUATION

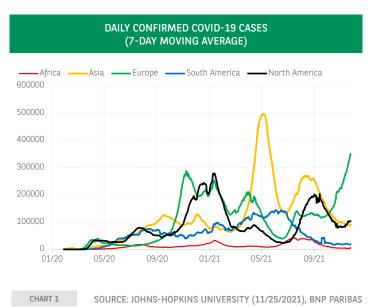
Some 3.82 million new cases of Covid-19 were recorded around the world in the week of 18-24 November, an 11% increase on the previous week. Europe and North America saw the biggest weekly increases, at 16% and 13.4% respectively, with Europe accounting for 61% of the world's new cases, or 2.32 million new infections. In other regions, falls in infection numbers were reported in Asia, South America and Africa (Chart 1). Meanwhile, 54% of the global population has now received at least one dose of a vaccine against the virus (Chart 2), and several countries have already introduced vaccine booster programmes (particularly for those people most at risk) in a bid to head off a new wave of the pandemic.

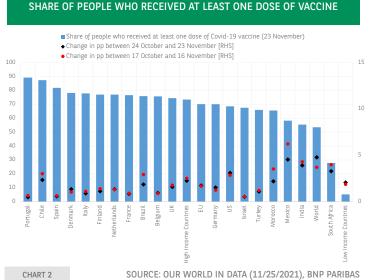
At the same time, retail and leisure footfall is on a slight downward trend in Germany and Italy, and to a lesser extent in France, Spain, Belgium, a development probably driven by the health situation in those countries. In the USA and UK, the trend remains stable, whilst in Japan it has move upwards after a short decline (Chart 4).

Lastly, the weekly proxy indicator for GDP continued to improve in France, Belgium, Spain and Japan. In the USA and the UK, the small recent falls form part of a more positive longer-term trend, whilst in Germany and Italy a slightly more marked downturn is appearing (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 change over a two-year period (y/2y) is calculated to avoid the base effect that would arise from 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.









### RETAIL AND RECREATION MOBILITY & OECD WEEKLY TRACKER

Retail and recreation mobility (7-day moving average, % from baseline\*)

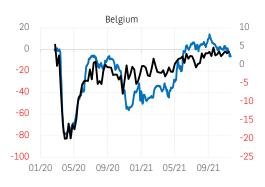
OECD Weekly tracker, y/2y GDP growth [RHS]



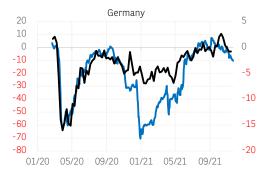
















SOURCE: OECD (11/25/2021), GOOGLE (11/25/2021), BNP PARIBAS

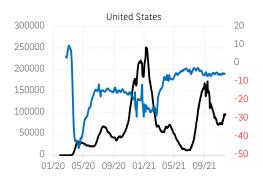


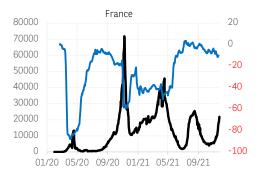


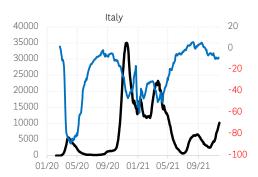
#### DAILY NEW CASES & RETAIL AND RECREATION MOBILITY

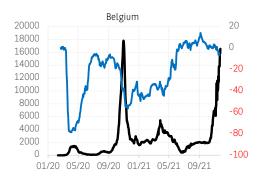
Daily new confirmed cases of Covid-19 (7-day moving average)

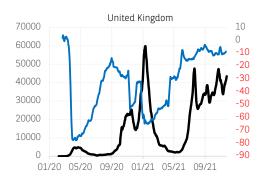
Retail and recreation mobility (7-day moving average, % from baseline\*)[RHS]



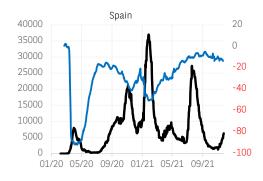


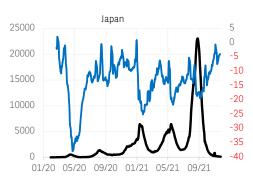












SOURCE: JOHNS-HOPKINS UNIVERSITY (11/25/2021), GOOGLE (11/25/2021), BNP PARIBAS



### **ECONOMIC SCENARIO**

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### **UNITED STATES**

Albeit in a rather uneven manner, the US economy has bounced back swiftly from the Covid-19 pandemic and is now stronger than in 2019. Its growth rate, at 5.5% in 2021, is likely to return gradually to normal. Longer and stronger than expected, the upturn in inflation is also likely to ease, if only due simply to the basis of comparison (once prices stop being compared to their depressed levels of 2020). The return towards the 2% target could, however, be hampered by rising prices for services, particularly rents. The situation in the labour market has improved: with a rising activity rate and unemployment dropping significantly below 5% of the active population, the economy is approaching full employment.

### CHINA

Economic growth has slowed markedly since last summer. Export performance remains strong and supports manufacturing investment. However, the other components of domestic demand are constrained by a host of factors: the effects of the H1 tightening in fiscal policy and domestic credit conditions, the toughening of regulations in various services, the crisis in the property sector, supply constraints in the industry, and the resurgence of the epidemic. In the short term, industrial production growth should recover. Moreover, the authorities should increase their support to domestic activity through prudent monetary and fiscal policy measures, while continuing regulatory tightening and maintaining their objective of rebalancing the real estate market. The contraction in housing sales and the "zero covid" strategy should continue to weigh on private consumption.

### **EUROZONE**

Growth in the eurozone remained strong in Q3 2021, in line with expectations (2.2% q/q). However, the outlook for Q4 is much less bright. According to our most recent forecast dated 25 November, we expect growth to slow down to 0.4% q/q. In addition to the awaited normalization, headwinds have increased (supply-side problems, surging inflation and uncertainties arising from the new wave of the pandemic). Nevertheless, business conditions surveys have shown resilience so far. Although the downside risks have increased, our scenario for 2022 remains fairly optimistic. This is because there is no shortage of tailwinds - supportive policy mix, a build-up of forced savings, scope for the service sector to catch-up, the need for companies to invest and rebuild inventories - assuming that supply-side problems ease from the second half of the year. Above all, growth will remain well above its trend rate in 2022. We also expect it to be not much lower than its 2021 figure (4.2% versus 5%). Compared with our September scenario, we have cut our growth forecasts and raised our inflation forecasts, taking the view that behind the current temporary pressures on prices, more sustained and widespread factors are also at play. We expect average inflation to be higher in 2022 than in 2021 (3.1% versus 2.5%), although we see inflation falling over the course of next year.

### **FRANCE**

What is happening at the aggregate eurozone level is representative of what is happening in France, and vice-versa. Although the figures are different, our analysis and view of the economic outlook are identical. In Germany, the headwinds are stronger, while France is less exposed. French growth was strong in Q3 2021 – beating expectations at 3% q/q according to INSEE's initial estimate – but we expect it to slow to 0.6% q/q in Q4. In 2022, we anticipate growth of 4.2% in annual average terms (vs. 6.7% in 2021) and inflation of 2.5% (vs. 2%).

### RATES AND EXCHANGE RATES

In the US, the Federal Reserve has started tapering and this should lead to net asset purchases ending by the middle of next year, although the exact timing depends on how the economy will evolve. Given current particularly elevated inflation, the inflation outlook and the prospect of a further decline in the unemployment rate, we expect a first rate hike in July 2022, followed by two additional hikes in 2022 and four more in 2023. This should put upward pressure on Treasury yields.

In the eurozone, the ECB is expected to announce in December that it will stop net purchases under the PEPP in March 2022. On that occasion, the monthly volume under the traditional asset purchase program should be increased to avoid market disruption. Given the strength of the recovery, we expect underlying price pressures to build further. We expect that the ECB will hike its deposit rate in June 2023, considering that by then the three conditions for a rate hike would be met. Two additional hikes should follow in the second half of 2023. This, in combination with the influence from higher US Treasury yields, should lead to higher Bund yields and some widening of sovereign spreads.

The Bank of Japan is expected to maintain its current policy stance over the forecast horizon, whilst allowing the 10-year JGB yield to drift higher under the influence of globally rising yields, towards about 20bp, which is in the upper end of its target range of 0 to 25bp.

We expect the dollar to strengthen versus the euro, driven by widening yield differentials and the growing monetary policy divergence between the Federal Reserve and the ECB. The divergence will also increase between the Fed and the BoJ, which explains our forecast of an appreciation of the dollar versus the yen.

#### **GROWTH & INFLATION**

	G	DP Grow	th	Inflation		
%	2021 e	2022 e	2023 e	2021 e	2022 e	2023 e
United-States	5,5	4,7	2,8	4,7	4,6	2,1
Japan	1,7	2,6	1,6	-0,2	0,7	0,5
United-Kingdom	7,1	5,4	2,1	2,5	4,5	2,1
Euro Area	5,0	4,2	3,0	2,5	3,1	2,0
Germany	2,6	3,6	3,6	3,1	3,4	2,2
France	6,7	4,2	2,5	2,0	2,5	2,1
Italy	6,3	4,9	3,0	1,8	2,9	1,7
Spain	4,3	5,4	3,5	3,0	3,7	1,7
China	7,9	5,3	5,5	0,9	2,1	2,5
India*	8,0	11,0	6,0	5,4	5,7	5,0
Brazil	4,8	0,5	2,0	8,3	8,3	4,3
Russia	4,5	3,0	1,8	7,0	6,3	4,1

SOURCE: BNP PARIBAS GROUP ECONOMIC RESEARCH (E: ESTIMATES & FORECASTS)
\*FISCAL YEAR FROM 1<sup>ST</sup> APRIL OF YEAR N TO MARCH 31<sup>ST</sup> OF YEAR N+1

### **INTEREST & EXCHANGE RATES**

Interest rates, %	;					
End of period		Q1 2022 e	Q2 2022 e	Q3 2022 e	Q4 2022 e	Q4 2023 e
US	Fed Funds (upper limit)	0.25	0.25	0.75	1.00	2.00
	T-Notes 10y	1.70	1.80	1.90	2.00	2.30
Ezone	Deposit rate	-0.50	-0.50	-0.50	-0.50	-0.10
	Bund 10y	0.00	0.05	0.05	0.10	0.40
	OAT 10y	0.45	0.40	0.35	0.45	0.70
	BTP 10y	1.35	1.45	1.45	1.55	2.00
	BONO 10y	0.75	0.85	0.90	1.05	1.45
UK	Base rate	0,25	0.50	0.50	0.75	1.25
	Gilts 10y	1.10	1.20	1.30	1.45	1.75
Japan	BoJ Rate	-0.10	-0.10	-0.10	-0.10	-0.10
	JGB 10y	0.12	0.14	0.15	0.18	0.20

	Q1 2022 e	Q2 2022 e	Q3 2022 e	Q4 2022 e	Q4 2023 e
UR / USD	1.13	1.12	1.11	1.09	1.09
SD / JPY	115	116	117	118	120
BP/USD	1.35	1.35	1.35	1.33	1.36
JR / GBP	0.84	0.83	0.82	0.82	0.80
JR / JPY	130	130	130	129	131
E	SD / JPY BP / USD JR / GBP	UR / USD 1.13 SD / JPY 115 SP / USD 1.35 JR / GBP 0.84	JR / USD         1.13         1.12           SD / JPY         115         116           3P / USD         1.35         1.35           JR / GBP         0.84         0.83	JR / USD         1.13         1.12         1.11           SD / JPY         115         116         117           3P / USD         1.35         1.35         1.35           JR / GBP         0.84         0.83         0.82	JR / USD         1.13         1.12         1.11         1.09           SD / JPY         115         116         117         118           3P / USD         1.35         1.35         1.35         1.33           JR / GBP         0.84         0.83         0.82         0.82

Brent						
End of period		Q1 2022 e	Q2 2022 e	Q3 2022 e	Q4 2022 e	Q4 2023 e
Brent	USD/bbl	84	80	79	80	85

SOURCE: BNP PARIBAS GLOBAL MARKETS (E: ESTIMATES)



### **CALENDAR**

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### LATEST INDICATORS

The flash PMIs for November brought good news in Japan, where the indices continue to move higher. Against expectations, the French PMIs increased versus October. In Germany, the manufacturing index hardly changed and services did better thereby causing an improvement of the composite index. The indices for the euro area all beat expectations and, for services and the composite index, by a very wide margin. The increase in the PMIs is a relief considering the rising number of new infections. In the UK, the manufacturing PMI improved slightly and the opposite happened for the services PMI. In the US, the manufacturing PMI was slightly higher compared to October whereas the services index recorded an unexpected drop. In line with the good PMI data, INSEE business confidence improved in France. Another positive news is the stabilisation of household confidence, despite mounting concern about new Covid-19 cases, with the upbeat assessment of the labour market outlook neutralising the negative effect on confidence from the elevated inflation. In Germany, the IFO business climate weakened on the back of Covid-19 infections and supply bottlenecks. In the UK, the CBI reported a jump in orders and a significant increase in selling prices. Finally, in the US, initial unemployment claims recorded a considerable drop, whereas the core consumer expenditures deflator -the preferred measure of the FOMC- rose further, reaching 4.1%. University of Michigan sentiment improved whereas inflation expectations hardly moved.

DATE	COUNTRY	INDICATOR	PERIOD	CONSENSUS	ACTUAL	PREVIOUS
11/22/2021	Eurozone	Consumer Confidence	Nov	-5.5	-6.8	-4.8
11/23/2021	Japan	Jibun Bank Japan PMI Mfg	Nov		54.2	53.2
11/23/2021	Japan	Jibun Bank Japan PMI Services	Nov		52.1	50.7
11/23/2021	Japan	Jibun Bank Japan PMI Composite	Nov		52.5	50.7
11/23/2021	France	Markit France Manufacturing PMI	Nov	53.1	54.6	53.6
11/23/2021	France	Markit France Services PMI	Nov	55.5	58.2	56.6
11/23/2021	France	Markit France Composite PMI	Nov	53.9	56.3	54.7
11/23/2021	Germany	Markit/BME Germany Manufacturing PMI	Nov	56.9	57.6	57.8
11/23/2021	Germany	Markit Germany Services PMI	Nov	51.5	53.4	52.4
11/23/2021	Germany	Markit/BME Germany Composite PMI	Nov	51.0	52.8	52.0
11/23/2021	Eurozone	Markit Eurozone Manufacturing PMI	Nov	57.4	58.6	58.3
11/23/2021	Eurozone	Markit Eurozone Services PMI	Nov	53.5	56.6	54.6
11/23/2021	Eurozone	Markit Eurozone Composite PMI	Nov	53.0	55.8	54.2
11/23/2021	United Kingdom	Markit UK PMI Manufacturing SA	Nov	57.3	58.2	57.8
11/23/2021	United Kingdom	Markit/CIPS UK Services PMI	Nov	58.5	58.6	59.1
11/23/2021	United Kingdom	Markit/CIPS UK Composite PMI	Nov	57.5	57.7	57.8
11/23/2021	United States	Markit US Manufacturing PMI	Nov	59.1	59.1	58.4
11/23/2021	United States	Markit US Services PMI	Nov	59.0	57.0	58.7
11/23/2021	United States	Markit US Composite PMI	Nov		56.5	57.6
11/24/2021	France	Business Confidence	Nov	112.0	114.0	112.0
11/24/2021	Germany	IFO Expectations	Nov	94.6	94.2	95.4

SOURCE: BLOOMBERG



DATE	COUNTRY	INDICATOR	PERIOD	CONSENSUS	ACTUAL	PREVIOUS
11/24/2021	Germany	IFO Current Assessment	Nov	99.0	99.0	100.1
11/24/2021	Germany	IFO Business Climate	Nov	96.7	96.5	97.7
11/24/2021	United Kingdom	CBI Trends Total Orders	Nov	8.0	26.0	9.0
11/24/2021	United Kingdom	CBI Trends Selling Prices	Nov	57.0	67.0	59.0
11/24/2021	United States	Initial Jobless Claims	Nov	260k	199k	270k
11/24/2021	United States	GDP Annualized QoQ	3Q	2.2%	2.1%	2.0%
11/24/2021	United States	Cap Goods Orders Nondef Ex Air	Oct	0.5%	0.6%	1.3%
11/24/2021	United States	PCE Core Deflator YoY	Oct	4.1%	4.1%	3.7%
11/24/2021	United States	PCE Deflator MoM	Oct	0.7%	0.6%	0.4%
11/24/2021	United States	PCE Deflator YoY	Oct	5.1%	5.0%	4.4%
11/24/2021	United States	U. of Mich. Sentiment	Nov	66.9	67.4	66.8
11/24/2021	United States	U. of Mich. Current Conditions	Nov	73.2	73.6	73.2
11/24/2021	United States	U. of Mich. Expectations	Nov	62.8	63.5	62.8
11/24/2021	United States	U. of Mich. 1 Yr Inflation	Nov		4.9%	4.9%
11/24/2021	United States	U. of Mich. 5-10 Yr Inflation	Nov		3.0%	2.9%
11/24/2021	United States	New Home Sales MoM	Oct	0.0%	0.4%	7.1%
11/24/2021	United States	FOMC Meeting Minutes	Nov			
11/25/2021	Japan	Nationwide Dept Sales YoY	Oct		2.9%	-4.3%
11/25/2021	Germany	GDP SA QoQ	3Q	1.8%	1.7%	1.8%
11/25/2021	Germany	GfK Consumer Confidence	Dec	-1.0	-1.6	1.0
11/26/2021	France	Consumer Confidence	Nov	98.0	99.0	99.0

SOURCE: BLOOMBERG



### **CALENDAR: THE WEEK AHEAD**

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### **COMING INDICATORS**

This week sees a heavy calendar with the release of important data covering the month of November: purchasing managers' indices in many countries (manufacturing, services, composite), the ISM indices in the US (manufacturing, services), the European Commission's economic sentiment index and its constituents. Moreover, in the US we will have the Conference Board confidence index and the all-important labour market report. In the euro area, Germany and France we will also have inflation data. The Federal Reserve publishes its Beige book, providing an overview of the current shape of the US economy and the OECD publishes its new Economic Outlook.

11/29/2021         Eurozone         Consumer Confidence         Nov          -6.8           11/29/2021         Eurozone         Economic Confidence         Nov          118.6           11/29/2021         Eurozone         Industrial Confidence         Nov          14.2           11/29/2021         Eurozone         Services Confidence         Nov          18.2           11/29/2021         Germany         CPI EU Harmonized MoM         Nov          0.50%           11/29/2021         Germany         CPI EU Harmonized YoY         Nov          4.60%           11/29/21-12/02/21         Germany         Retail Sales MoM         Oct          -2.50%           11/30/2021         China         Non-manufacturing PMI         Nov         51.5         52.4           11/30/2021         China         Manufacturing PMI         Nov          50.8           11/30/2021         France         PPI YoY         Oct          0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.20%           11/30/2021         France         CPI EU Harmonized YoY         Nov <th>DATE</th> <th>COUNTRY</th> <th>INDICATOR</th> <th>PERIOD</th> <th>CONSENSUS</th> <th>PREVIOUS</th>	DATE	COUNTRY	INDICATOR	PERIOD	CONSENSUS	PREVIOUS
11/29/2021         Eurozone         Economic Confidence         Nov          11/8           11/29/2021         Eurozone         Industrial Confidence         Nov          14.2           11/29/2021         Eurozone         Services Confidence         Nov          18.2           11/29/2021         Germany         CPI EU Harmonized MoM         Nov          4.60%           11/29/2021         Germany         CPI EU Harmonized MoM         Nov          4.60%           11/29/2021         Germany         CPI EU Harmonized MoM         Oct          2.50%           11/30/2021         China         Non-manufacturing PMI         Nov         51.5         52.4           11/30/2021         China         Monufacturing PMI         Nov         50.8         11.60%           11/30/2021         France         CPI EW         Consumer Spending MoM         Oct          11.60%           11/30/2021         France         CPI EU Harmonized MoM         Nov          3.20%           11/30/2021         France         CPI EU Harmonized YoY         Nov          3.00%           11/30/2021         France         CPI EU Harmonized MoM	11/29/2021	Japan	Retail Sales YoY	Oct		-0.60%
11/29/2021         Eurozone         Industrial Confidence         Nov          14.2           11/29/2021         Eurozone         Services Confidence         Nov          18.2           11/29/2021         Germany         CPI EU Harmonized MoM         Nov          0.50%           11/29/2011         Germany         CPI EU Harmonized MoM         Nov          4.60%           11/29/21-12/02/21         Germany         CPI EU Harmonized MoM         Oct          -250%           11/30/2021         China         Non-manufacturing PMI         Nov         50.5         49.2           11/30/2021         China         Manufacturing PMI         Nov         50.8         49.2           11/30/2021         France         Composite PMI         Nov          50.8           11/30/2021         France         Consumer Spending MoM         Oct          0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.20%           11/30/2021         France         GPI EU Harmonized MoM         Nov	11/29/2021	Eurozone	Consumer Confidence	Nov		-6.8
11/29/2021         Eurozone         Services Confidence         Nov          18.2           11/29/2021         Germany         CPI EU Harmonized MoM         Nov          0.50%           11/29/2021         Germany         CPI EU Harmonized MoY         Nov          4.60%           11/29/2021         Germany         Retail Sales MoM         Oct          -2.50%           11/30/2021         China         Non-manufacturing PMI         Nov         50         49.2           11/30/2021         China         Manufacturing PMI         Nov         50         49.2           11/30/2021         France         Composite PMI         Nov          50.8           11/30/2021         France         PPI YOY         Oct          11.60%           11/30/2021         France         COnsumer Spending MoM         Oct          0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%	11/29/2021	Eurozone	Economic Confidence	Nov		118.6
11/29/2021         Germany         CPI EU Harmonized MoM         Nov          0.50%           11/29/2021         Germany         CPI EU Harmonized YoY         Nov          4.60%           11/29/21-12/02/21         Germany         Retail Sales MoM         0ct          -2.50%           11/30/2021         China         Non-manufacturing PMI         Nov         51.5         52.4           11/30/2021         China         Manufacturing PMI         Nov         50         49.2           11/30/2021         France         CPI Fund         Nov          50.8           11/30/2021         France         PPI YoY         0ct          11.60%           11/30/2021         France         COnsumer Spending MoM         0ct          -0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         GPI EU Harmonized MoM         Nov          2.0	11/29/2021	Eurozone	Industrial Confidence	Nov		14.2
11/29/2021         Germany         CPI EU Harmonized YoY         Nov          4.60%           11/29/21-12/02/21         Germany         Retail Sales MoM         Oct          -2.50%           11/30/2021         China         Non-manufacturing PMI         Nov         51.5         52.4           11/30/2021         China         Manufacturing PMI         Nov         50.         49.2           11/30/2021         China         Composite PMI         Nov          50.8           11/30/2021         France         PPI YoY         Oct          11.60%           11/30/2021         France         Consumer Spending MoM         Oct          0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          0.40%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Eurozone         CPI Core YoY         Nov          2.00%           11/30/2021         Eurozone         CPI Estimate YoY         Nov          0.80%	11/29/2021	Eurozone	Services Confidence	Nov		18.2
11/29/21-12/02/21         Germany         Retail Sales MoM         Oct          -2.50%           11/30/2021         China         Non-manufacturing PMI         Nov         51.5         52.4           11/30/2021         China         Manufacturing PMI         Nov         50         49.2           11/30/2021         China         Composite PMI         Nov          50.8           11/30/2021         France         PPI YOY         Oct          11.60%           11/30/2021         France         Consumer Spending MoM         Oct          -0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          0.40%           11/30/2021         France         GDP QoQ         3Q          39.0%           11/30/2021         Germany         Unemployment Change (000's)         Nov          39.0%           11/30/2021         Eurozone         CPI Core YoY         Nov          2.0%           11/30/2021         Eurozone         CPI Core YoY         Nov          0.80%	11/29/2021	Germany	CPI EU Harmonized MoM	Nov		0.50%
11/30/2021         China         Non-manufacturing PMI         Nov         51.5         52.4           11/30/2021         China         Manufacturing PMI         Nov         50         49.2           11/30/2021         China         Composite PMI         Nov          50.8           11/30/2021         France         PPI YOY         Oct          11.60%           11/30/2021         France         Consumer Spending MoM         Oct          0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          0.40%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          99.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          99.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          9.80%           11/30/2021         United States         FIFA House Price Index MoM         Nov          19.66%	11/29/2021	Germany	CPI EU Harmonized YoY	Nov		4.60%
11/30/2021         China         Manufacturing PMI         Nov         50         49.2           11/30/2021         China         Composite PMI         Nov          50.8           11/30/2021         France         PPI YoY         Oct          11.60%           11/30/2021         France         Consumer Spending MoM         Oct          0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          3.20%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          -39.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          -39.0k           11/30/2021         Eurozone         CPI Estimate YoY         Nov          0.80%           11/30/2021         United States         FIFFA House Price Index MoM         Nov          0.80%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep         -20%	11/29/21-12/02/21	Germany	Retail Sales MoM	Oct		-2.50%
11/30/2021         China         Composite PMI         Nov          50.8           11/30/2021         France         PPI YoY         Oct          11.60%           11/30/2021         France         Consumer Spending MoM         Oct          -0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          3.20%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          -39.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          -39.0k           11/30/2021         Eurozone         CPI Estimate YoY         Nov          -200%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1-20%         1.00%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         11	11/30/2021	China	Non-manufacturing PMI	Nov	51.5	52.4
11/30/2021         France         PPI YOY         Oct          11.60%           11/30/2021         France         Consumer Spending MoM         Oct          -0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          3.20%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          -39.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          -39.0k           11/30/2021         Eurozone         CPI Estimate YoY         Nov          -200%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S8P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Expectations         Nov	11/30/2021	China	Manufacturing PMI	Nov	50	49.2
11/30/2021         France         Consumer Spending MoM         Oct          -0.20%           11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          3.20%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          -39.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          2.00%           11/30/2021         Eurozone         CPI Estimate YoY         Nov          4.10%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Expectations </td <td>11/30/2021</td> <td>China</td> <td>Composite PMI</td> <td>Nov</td> <td></td> <td>50.8</td>	11/30/2021	China	Composite PMI	Nov		50.8
11/30/2021         France         CPI EU Harmonized MoM         Nov          0.40%           11/30/2021         France         CPI EU Harmonized YoY         Nov          3.20%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          29.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          2.00%           11/30/2021         Eurozone         CPI Estimate YoY         Nov          4.10%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Expectations         Nov          147.4           11/30/2021         Japan         Capital Spending Yo	11/30/2021	France	PPI YoY	Oct		11.60%
11/30/2021         France         CPI EU Harmonized YoY         Nov          3.20%           11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          -39.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          2.00%           11/30/2021         Eurozone         CPI Estimate YoY         Nov          4.10%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Present Situation         Nov          147.4           11/30/2021         United States         Conf. Board Expectations         Nov          147.4           11/30/2021         Japan         Jibun Bank	11/30/2021	France	Consumer Spending MoM	Oct		-0.20%
11/30/2021         France         GDP QoQ         3Q          3.00%           11/30/2021         Germany         Unemployment Change (000's)         Nov          -39.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          2.00%           11/30/2021         Eurozone         CPI Estimate YoY         Nov          4.10%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Present Situation         Nov          147.4           11/30/2021         United States         Conf. Board Expectations         Nov          147.4           11/30/2021         Japan         Jibun Bank Japan PMI Mfg         Nov          5.30%           12/01/2021         Japan         Jibun Ba	11/30/2021	France	CPI EU Harmonized MoM	Nov		0.40%
11/30/2021         Germany         Unemployment Change (000's)         Nov          -39.0k           11/30/2021         Eurozone         CPI Core YoY         Nov          2.00%           11/30/2021         Eurozone         CPI Estimate YoY         Nov          4.10%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Present Situation         Nov          147.4           11/30/2021         United States         Conf. Board Expectations         Nov          147.4           11/30/2021         Japan         Capital Spending YoY         3Q          5.30%           12/01/2021         Japan         Jibun Bank Japan PMI Mfg         Nov             12/01/2021         China <td< td=""><td>11/30/2021</td><td>France</td><td>CPI EU Harmonized YoY</td><td>Nov</td><td></td><td>3.20%</td></td<>	11/30/2021	France	CPI EU Harmonized YoY	Nov		3.20%
11/30/2021         Eurozone         CPI Core YoY         Nov          2.00%           11/30/2021         Eurozone         CPI Estimate YoY         Nov          4.10%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Present Situation         Nov          147.4           11/30/2021         United States         Conf. Board Expectations         Nov          147.4           11/30/2021         Japan         Capital Spending YoY         3Q          5.30%           12/01/2021         Japan         Jibun Bank Japan PMI Mfg         Nov             12/01/2021         China         Caixin China PMI Mfg         Nov         50.4         50.6           12/01/2021         France         Markit	11/30/2021	France	GDP QoQ	3Q		3.00%
11/30/2021         Eurozone         CPI Estimate YoY         Nov          4.10%           11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Present Situation         Nov          147.4           11/30/2021         United States         Conf. Board Expectations         Nov          91.3           12/01/2021         Japan         Capital Spending YoY         3Q          5.30%           12/01/2021         Japan         Jibun Bank Japan PMI Mfg         Nov             12/01/2021         China         Caixin China PMI Mfg         Nov         50.4         50.6           12/01/2021         France         Markit France Manufacturing PMI         Nov          57.6           12/01/2021         Eurozone	11/30/2021	Germany	Unemployment Change (000's)	Nov		-39.0k
11/30/2021         Eurozone         CPI MoM         Nov          0.80%           11/30/2021         United States         FHFA House Price Index MoM         Sep         1.20%         1.00%           11/30/2021         United States         S&P CoreLogic CS 20-City YoY NSA         Sep          19.66%           11/30/2021         United States         Conf. Board Consumer Confidence         Nov         110         113.8           11/30/2021         United States         Conf. Board Present Situation         Nov          147.4           11/30/2021         United States         Conf. Board Expectations         Nov          91.3           12/01/2021         Japan         Capital Spending YoY         3Q          5.30%           12/01/2021         Japan         Jibun Bank Japan PMI Mfg         Nov             12/01/2021         China         Caixin China PMI Mfg         Nov         50.4         50.6           12/01/2021         France         Markit France Manufacturing PMI         Nov          57.6           12/01/2021         Eurozone         Markit Eurozone Manufacturing PMI         Nov          58.6	11/30/2021	Eurozone	CPI Core YoY	Nov		2.00%
11/30/2021       United States       FHFA House Price Index MoM       Sep       1.20%       1.00%         11/30/2021       United States       S&P CoreLogic CS 20-City YoY NSA       Sep        19.66%         11/30/2021       United States       Conf. Board Consumer Confidence       Nov       110       113.8         11/30/2021       United States       Conf. Board Present Situation       Nov        147.4         11/30/2021       United States       Conf. Board Expectations       Nov        91.3         12/01/2021       Japan       Capital Spending YoY       3Q        5.30%         12/01/2021       Japan       Jibun Bank Japan PMI Mfg       Nov           12/01/2021       China       Caixin China PMI Mfg       Nov       50.4       50.6         12/01/2021       France       Markit France Manufacturing PMI       Nov        57.6         12/01/2021       Germany       Markit Eurozone Manufacturing PMI       Nov        57.6         12/01/2021       Eurozone       Markit Eurozone Manufacturing PMI       Nov        58.6	11/30/2021	Eurozone	CPI Estimate YoY	Nov		4.10%
11/30/2021 United States S&P CoreLogic CS 20-City YoY NSA Sep 19.66% 11/30/2021 United States Conf. Board Consumer Confidence Nov 110 113.8 11/30/2021 United States Conf. Board Present Situation Nov 147.4 11/30/2021 United States Conf. Board Expectations Nov 91.3 12/01/2021 Japan Capital Spending YoY 3Q 5.30% 12/01/2021 Japan Jibun Bank Japan PMI Mfg Nov 12/01/2021 China Caixin China PMI Mfg Nov 50.4 50.6 12/01/2021 France Markit France Manufacturing PMI Nov 54.6 12/01/2021 Germany Markit/BME Germany Manufacturing PMI Nov 57.6 12/01/2021 Eurozone Markit Eurozone Manufacturing PMI Nov 58.6	11/30/2021	Eurozone	CPI MoM	Nov		0.80%
11/30/2021 United States Conf. Board Consumer Confidence Nov 110 113.8 11/30/2021 United States Conf. Board Present Situation Nov 147.4 11/30/2021 United States Conf. Board Expectations Nov 91.3 12/01/2021 Japan Capital Spending YoY 3Q 5.30% 12/01/2021 Japan Jibun Bank Japan PMI Mfg Nov 12/01/2021 China Caixin China PMI Mfg Nov 50.4 50.6 12/01/2021 France Markit France Manufacturing PMI Nov 54.6 12/01/2021 Germany Markit/BME Germany Manufacturing PMI Nov 57.6 12/01/2021 Eurozone Markit Eurozone Manufacturing PMI Nov 58.6	11/30/2021	United States	FHFA House Price Index MoM	Sep	1.20%	1.00%
11/30/2021 United States Conf. Board Present Situation Nov 147.4 11/30/2021 United States Conf. Board Expectations Nov 91.3 12/01/2021 Japan Capital Spending YoY 3Q 5.30% 12/01/2021 Japan Jibun Bank Japan PMI Mfg Nov 12/01/2021 China Caixin China PMI Mfg Nov 50.4 50.6 12/01/2021 France Markit France Manufacturing PMI Nov 54.6 12/01/2021 Germany Markit/BME Germany Manufacturing PMI Nov 57.6 12/01/2021 Eurozone Markit Eurozone Manufacturing PMI Nov 58.6	11/30/2021	United States	S&P CoreLogic CS 20-City YoY NSA	Sep		19.66%
11/30/2021 United States Conf. Board Expectations Nov 91.3 12/01/2021 Japan Capital Spending YoY 3Q 5.30% 12/01/2021 Japan Jibun Bank Japan PMI Mfg Nov 12/01/2021 China Caixin China PMI Mfg Nov 50.4 50.6 12/01/2021 France Markit France Manufacturing PMI Nov 54.6 12/01/2021 Germany Markit/BME Germany Manufacturing PMI Nov 57.6 12/01/2021 Eurozone Markit Eurozone Manufacturing PMI Nov 58.6	11/30/2021	United States	Conf. Board Consumer Confidence	Nov	110	113.8
12/01/2021JapanCapital Spending YoY3Q5.30%12/01/2021JapanJibun Bank Japan PMI MfgNov12/01/2021ChinaCaixin China PMI MfgNov50.450.612/01/2021FranceMarkit France Manufacturing PMINov54.612/01/2021GermanyMarkit/BME Germany Manufacturing PMINov57.612/01/2021EurozoneMarkit Eurozone Manufacturing PMINov58.6	11/30/2021	United States	Conf. Board Present Situation	Nov		147.4
12/01/2021 Japan Jibun Bank Japan PMI Mfg Nov 12/01/2021 China Caixin China PMI Mfg Nov 50.4 50.6 12/01/2021 France Markit France Manufacturing PMI Nov 54.6 12/01/2021 Germany Markit/BME Germany Manufacturing PMI Nov 57.6 12/01/2021 Eurozone Markit Eurozone Manufacturing PMI Nov 58.6	11/30/2021	United States	Conf. Board Expectations	Nov		91.3
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	12/01/2021	Germany	Markit/BME Germany Manufacturing PMI	Nov		57.6
12/01/2021 United Kingdom Markit UK PMI Manufacturing SA Nov 58.2	12/01/2021	Eurozone	Markit Eurozone Manufacturing PMI	Nov		58.6
	12/01/2021	United Kingdom	Markit UK PMI Manufacturing SA	Nov		58.2





DATE   COUNTRY   INDICATOR   PERIOD   CONSENSUS   PREVIOUS						
12/01/2021         United States         Markit US Manufacturing PMI         Nov          59 1           12/01/2021         United States         ISM Manufacturing         Nov          61         60.8           12/01/2021         United States         ISM Prices Paid         Nov          65.7           12/01/2021         United States         ISM New Orders         Nov          52           12/01/2021         United States         US. Federal Reserve Releases Beige Book           52           12/01/2021         United States         US. Federal Reserve Releases Beige Book           7.40%           12/02/2021         Eurozone         Unemployment Rate         Oct          7.40%           12/02/2021         Eurozone         United States         Initial Jobless Claims         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Services         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov          51.5           12/03/2021         China         Cakin China PMI Services         Nov          51.5 <th>DATE C</th> <th>COUNTRY</th> <th>INDICATOR</th> <th>PERIOD</th> <th>CONSENSUS</th> <th>PREVIOUS</th>	DATE C	COUNTRY	INDICATOR	PERIOD	CONSENSUS	PREVIOUS
12/01/2021         United States         ISM Manufacturing         Nov         61         60.8           12/01/2021         United States         ISM Prices Paid         Nov          85.7           12/01/2021         United States         ISM New Orders         Nov          59.8           12/01/2021         United States         USK Employment         Nov             12/01/2021         United States         USK Employment         Were Care Care Care Care Care Care Care C	12/01/2021 E	Eurozone	OECD Publishes Economic Outlook			
12/01/2021         United States         ISM Prices Paid         Nov          85.7           12/01/2021         United States         ISM New Orders         Nov          59.8           12/01/2021         United States         ISM Employment         Nov          52           12/01/2021         United States         U.S. Federal Reserve Releases Beige Book          7.40%           12/01/2021         United States         Unemployment Rate         Oct          7.40%           12/02/2021         Eurozone         Unemployment Rate         Oct          7.40%           12/02/2021         United States         Initial Jobiess Claims         Nov             12/02/2021         Japan         Jibun Bank Japan PMI Services         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         China         Cakin China PMI Services         Nov             12/03/2021         China         Cakin China PMI Services PMI         Nov             12/03/2021         France         Markit France Services PMI	12/01/2021 U	United States	Markit US Manufacturing PMI	Nov		59.1
12/01/2021         United States         ISM New Orders         Nov          59.8           12/01/2021         United States         ISM Employment         Nov          52           12/01/2021         United States         U.S. Federal Reserve Releases Beige Book         V         2.99m           12/01/2021         United States         Wards Total Vehicle Sales         Nov         13.20m         12.99m           12/02/2021         Eurozone         United States         Initial Jobless Claims         Nov          16.00%           12/02/2021         United States         Initial Jobless Claims         Nov            17.00% <t< td=""><td>12/01/2021 U</td><td>Jnited States</td><td>ISM Manufacturing</td><td>Nov</td><td>61</td><td>60.8</td></t<>	12/01/2021 U	Jnited States	ISM Manufacturing	Nov	61	60.8
12/01/2021         United States         U.S. Federal Reserve Releases Beige Book         Nov          52           12/01/2021         United States         Wards Total Vehicle Sales         Nov         13.20m         12.99m           12/01/2021         Eurozone         Per YoY         Oct          7.40%           12/02/2021         Eurozone         PP YoY         Oct          16.00%           12/02/2021         United States         Initial Jobiess Claims         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         China         Cakin China PMI Services         Nov             12/03/2021         France         Markit France Services PMI         Nov          58.2           12/03/2021         France         Markit France Composite PMI         Nov          53.8           12/03/2021         Germany         Markit Eurozone Services PMI         Nov          53.8           12/03/2021         Eurozone         Markit Eur	12/01/2021 U	United States	ISM Prices Paid	Nov		85.7
12/01/2021         United States         U.S. Federal Reserve Releases Beige Book           12/01/2021         United States         Wards Total Vehicle Sales         Nov         13.20m         12.99m           12/02/2021         Eurozone         Unemployment Rate         Oct          16.00%           12/02/2021         United States         Initial Jobiess Claims         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Services         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         China         Caixin China PMI Composite         Nov          51.5           12/03/2021         China         Caixin China PMI Services         Nov          53.8           12/03/2021         France         Markit France Services PMI         Nov          58.2           12/03/2021         France         Markit Eurozone Services PMI         Nov          55.4           12/03/2021         Germany         Markit Eurozone Services PMI         Nov          55.8           12/03/2021         Eurozone         Markit Eurozone Services PMI	12/01/2021 U	Jnited States	ISM New Orders	Nov		59.8
12/01/2021         United States         Wards Total Vehicle Sales         Nov         13.20m         12.99m           12/02/2021         Eurozone         Unemployment Rate         Oct          7.40%           12/02/2021         Eurozone         PPI YoY         Oct          16.00%           12/02/2021         United States         Initial Jobless Claims         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov          51.5           12/03/2021         China         Caixin China PMI Composite         Nov          53.8           12/03/2021         France         Markit France Services PMI         Nov          58.2           12/03/2021         France         Markit France Composite PMI         Nov          58.3           12/03/2021         Germany         Markit Germany Services PMI         Nov          58.4           12/03/2021         Eurozone         Markit Eurozone Services PMI         Nov          58.6           12/03/2021         United Kingdom	12/01/2021 U	Jnited States	ISM Employment	Nov		52
12/02/2021         Eurozone         PPI YOY         Oct          7.40%           12/02/2021         United States         Initial Jobiess Claims         Nov             12/02/2021         Japan         Jibun Bank Japan PMI Services         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         China         Caixin China PMI Composite         Nov          53.8           12/03/2021         China         Caixin China PMI Services         Nov          53.8           12/03/2021         France         Markit France Services PMI         Nov          58.2           12/03/2021         France         Markit Errace Composite PMI         Nov          53.4           12/03/2021         Germany         Markit Eurozone Services PMI         Nov          52.8           12/03/2021         Eurozone         Markit Eurozone Composite PMI         Nov          55.8           12/03/2021         Eurozone         Markit Eurozone Composite PMI         Nov          57.7           12/03/2021         United Kingdom         Markit	12/01/2021 U	United States	U.S. Federal Reserve Releases Beige Book			
12/02/2021         Eurozone         PPI YOY         Oct          16.00%           12/02/2021         United States         Initial Jobless Claims         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Services         Nov             12/03/2021         Lapan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         China         Cakin China PMI Services         Nov          51.5           12/03/2021         France         Markit France Services PMI         Nov          58.3           12/03/2021         France         Markit Germany Services PMI         Nov          56.3           12/03/2021         Germany         Markit Germany Services PMI         Nov          53.4           12/03/2021         Germany         Markit Eurozone Services PMI         Nov          55.8           12/03/2021         Eurozone         Markit CIPS UK Services PMI         Nov          55.8           12/03/2021         United Kingdom         Markit/CIPS UK Composite PMI         Nov          57.7           12/03/2021         United States         Two	12/01/2021 U	United States	Wards Total Vehicle Sales	Nov	13.20m	12.99m
12/02/2021         United States         Initial Jobless Claims         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Services         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         China         Caixin China PMI Services         Nov          53.8           12/03/2021         France         Markit France Services PMI         Nov          53.8           12/03/2021         France         Markit France Composite PMI         Nov          56.3           12/03/2021         Germany         Markit Germany Services PMI         Nov          53.4           12/03/2021         Germany         Markit Eurozone Services PMI         Nov          55.8           12/03/2021         Eurozone         Markit Eurozone Composite PMI         Nov          55.8           12/03/2021         Eurozone         Markit CIPS UK Services PMI         Nov          55.8           12/03/2021         United Kingdom         Markit/CIPS UK Composite PMI         Nov          57.7           12/03/2021 <td< td=""><td>12/02/2021 E</td><td>Eurozone</td><td>Unemployment Rate</td><td>Oct</td><td></td><td>7.40%</td></td<>	12/02/2021 E	Eurozone	Unemployment Rate	Oct		7.40%
12/03/2021         Japan         Jibun Bank Japan PMI Services         Nov             12/03/2021         Japan         Jibun Bank Japan PMI Composite         Nov             12/03/2021         China         Caixin China PMI Services         Nov          51.5           12/03/2021         China         Caixin China PMI Services         Nov          53.8           12/03/2021         France         Markit France Services PMI         Nov          58.2           12/03/2021         Germany         Markit Germany Services PMI         Nov          53.4           12/03/2021         Germany         Markit Germany Composite PMI         Nov          53.4           12/03/2021         Germany         Markit Eurozone Services PMI         Nov          56.8           12/03/2021         Eurozone         Markit Eurozone Composite PMI         Nov          55.8           12/03/2021         United Kingdom         Markit/CIPS UK Composite PMI         Nov          57.7           12/03/2021         United Kingdom         Markit/CIPS UK Composite PMI         Nov          57.7           12/03/2021         United	12/02/2021 E	Eurozone	PPI YoY	Oct		16.00%
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