

## EMED Consensus Forecasts for Advanced Economies: November 2022 Survey

ADVANCED ECONOMIES	Gross Domestic Product		Private Consumption		Capital Formation		Consumer Prices		Unemployment Rate	
	(% yoy)		(% yoy)		(% yoy)		(% yoy)		(%)	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
Australia	3.8	1.9	6.3	2.5	2.7	3.2	6.5	4.8	3.7	3.9
Canada	3.2	0.6	5.4	1.8	6.4	1.3	6.9	3.7	5.3	6.0
Euro Area	3.1	0.1	3.8	0.0	2.9	1.0	8.3	5.9	6.8	7.1
France	2.4	0.2	2.2	0.3	1.8	0.8	6.0	4.8	7.5	7.7
Germany	1.5	-0.4	4.4	-0.1	0.0	0.1	8.3	6.5	4.4	5.4
Italy	3.4	-0.2	3.9	0.7	9.3	0.5	8.1	6.1	8.2	8.6
Japan	1.6	1.3	2.8	1.3	-1.4	2.0	2.2	1.5	2.6	2.5
New Zealand	2.2	1.9	2.4	0.3	3.1	0.1	6.6	3.5	3.3	3.8
United Kingdom	3.5	-0.5	4.3	-0.4	5.2	-0.8	9.0	7.1	3.8	4.4
United States	1.8	0.4	2.6	0.6	3.4	0.5	8.1	3.9	3.7	4.2

ADVANCED ECONOMIES	Current Account		Exchange Rate		Policy Rate		10-Year Gov't Bond Yield		WTI Oil Price	
	(% of GDP)		(vis-a-vis USD)		(% p.a.)		(% p.a.)		(USD/barrel)	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
Australia	2.0	1.0	0.65	0.68	3.10	3.27	3.86	3.65	---	---
Canada	0.5	-0.6	1.37	1.31	4.00	4.00	3.38	3.00	---	---
Euro Area	1.4	1.9	0.98	1.05	2.50	2.70	---	---	---	---
France	-1.8	-1.8	---	---	---	---	2.76	2.92	---	---
Germany	3.7	4.0	---	---	---	---	2.15	2.38	---	---
Italy	0.3	0.5	---	---	---	---	4.43	4.27	---	---
Japan	2.1	2.7	145.00	135.05	-0.10	-0.10	0.25	0.25	---	---
New Zealand	-7.7	-6.3	0.57	0.61	4.00	4.25	4.28	4.05	---	---
United Kingdom	-5.5	-4.8	1.10	1.17	3.50	4.00	3.60	3.50	---	---
United States	-3.7	-3.3	---	---	4.38	4.50	3.84	3.53	90.00	86.21

**Notes:**

Consensus forecast is the median of the forecasts.

Year refers to calendar year.

GDP, private consumption and capital formation are in real terms. All other variables are in nominal terms.

Percentage change refers to change in the total or average over the previous year.

Forecasts of exchange rates, interest rates and oil prices are for year-end.

Capital formation refers to business investment for Australia, Canada and the United States;

and gross fixed investment for all other economies.

Policy rates refer to the cash rate for Australia and New Zealand; overnight financing rate for Canada; refinancing rate for the euro area;

uncollateralized overnight call rate for Japan; Bank rate for the United Kingdom; and Federal funds rate for the United States.

## EMED Consensus Forecasts for Emerging Markets: November 2022 Survey

EMERGING MARKETS	Gross Domestic Product (% yoy)		Private Consumption (% yoy)		Fixed Investment (% yoy)		Consumer Prices (% yoy)		Unemployment Rate (%)	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
	Argentina	3.7	0.9	8.9	0.8	8.3	0.6	72.4	84.1	7.0
Brazil	2.5	0.8	2.1	1.9	-2.5	1.1	9.4	5.1	9.9	10.3
Chile	2.2	-0.5	2.9	1.0	-4.0	-4.9	11.5	7.6	7.8	8.2
China	3.2	4.5	2.7	5.2	4.4	4.7	2.2	2.4	5.4	5.1
Colombia	7.5	2.0	9.2	2.1	9.2	1.8	9.9	7.1	11.2	10.9
Czech Republic	2.6	-0.2	0.8	0.4	4.8	-0.4	15.1	8.6	2.4	3.0
Hong Kong	-1.2	3.2	-1.1	4.9	-6.9	1.8	2.1	2.3	4.4	3.6
Hungary	5.5	0.2	9.1	3.1	4.7	-1.9	12.8	13.2	3.5	4.1
India*	6.8	6.1	7.9	6.7	8.0	4.7	6.6	5.3	9.0	10.1
Indonesia	5.3	5.0	4.9	5.1	4.5	5.3	4.5	4.4	5.9	5.6
Malaysia	6.9	4.0	8.6	5.9	7.1	3.9	3.4	2.6	3.7	3.5
Mexico	2.1	0.9	3.8	1.1	5.5	-0.9	8.0	5.8	3.5	3.9
Philippines	6.5	5.0	6.6	6.1	21.7	10.4	5.5	4.4	5.8	5.5
Poland	4.0	0.7	4.8	1.2	3.8	-1.7	13.5	12.2	3.3	3.8
Russia	-4.7	-2.9	-7.3	-2.0	-0.5	-4.0	14.0	7.3	4.4	5.5
Singapore	3.5	2.2	7.5	5.6	1.8	2.7	6.0	4.0	2.1	2.1
South Korea	2.7	1.9	4.6	2.5	0.2	2.5	5.3	3.4	3.1	3.5
Taiwan	3.0	2.0	3.5	4.5	5.6	2.9	3.0	2.0	3.7	3.6
Thailand	3.2	3.8	4.6	2.8	2.6	2.9	6.2	2.8	1.4	1.2
Turkey	5.0	2.2	16.0	2.9	2.6	2.3	72.9	41.3	11.1	10.6

EMERGING MARKETS	Money Supply M2 (% yoy)		Merchandise Exports (% yoy)		Merchandise Imports (% yoy)		Current Account (% of GDP)		Exchange Rate (vis-a-vis USD)	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
	Argentina	51.2	50.5	1.1	-9.0	1.8	-8.7	-0.3	-0.1	155.00
Brazil	5.8	8.5	7.4	-4.8	0.5	-0.5	-1.5	-1.6	5.23	5.27
Chile	5.0	6.0	3.0	2.0	-3.0	2.0	-4.5	-3.6	890	891
China	11.5	9.8	9.0	2.8	5.4	3.6	1.8	1.3	7.15	6.90
Colombia	6.3	5.1	25.0	-8.0	6.5	-3.2	-5.0	-4.4	4561	4553
Czech Republic	---	---	4.6	19.4	5.6	18.0	-3.6	-2.6	25.1	24.9
Hong Kong	4.0	5.0	-6.9	0.2	-5.2	0.8	8.0	5.9	7.85	7.82
Hungary	---	---	---	---	---	---	-6.8	-6.3	438	421
India*	---	---	3.4	6.2	7.9	7.4	-3.1	-2.5	82	82
Indonesia	8.3	6.3	16.9	5.3	17.7	13.2	0.6	-0.5	15125	15049
Malaysia	5.0	4.9	10.0	7.5	10.8	9.7	2.0	2.5	4.61	4.53
Mexico	5.0	7.0	8.7	7.4	9.3	3.1	-0.4	-0.3	20.4	21.0
Philippines	---	---	3.6	9.0	7.2	9.1	-3.6	-2.9	57.3	56.4
Poland	---	---	---	---	---	---	-3.2	-2.2	4.84	4.60
Russia	20.0	8.0	-33.8	16.5	-57.7	18.8	12.5	9.5	66.0	65.1
Singapore	---	---	---	---	---	---	17.3	17.0	1.40	1.37
South Korea	10.5	10.7	5.6	3.8	7.6	5.5	3.1	3.2	1421	1350
Taiwan	6.8	4.8	6.2	-0.3	9.6	-0.3	13.0	12.6	31.9	31.5
Thailand	4.6	3.8	7.5	3.0	14.9	4.6	-0.8	2.7	37.0	35.3
Turkey	60.0	30.0	7.1	3.0	12.0	0.1	-5.7	-3.7	17.98	21.02

**Notes:**

Consensus forecast is the median of the forecasts.

Year refers to calendar year except for India for which fiscal year (April to March) is used.

GDP, private consumption and fixed investment are in real terms. All other variables are in nominal terms.

Percentage change refers to change in the total or average over the previous year, except for money supply growth which is based on year-end figures.

Forecasts of exchange rates and interest rates are for year-end.

\*Forecasts for India are FY22/23 and FY23/24



## EMED Consensus Forecasts for the United States: November 2022 Survey

UNITED STATES	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)		UNITED STATES	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)	
	2022	2023	2022	2023		2022	2023	2022	2023
ABN AMRO	1.7	0.7	8.2	4.3	NAR	-0.2	2.3	7.7	4.4
Bank Julius Baer	1.7	0.5	7.9	3.4	National Bank of Canada	1.8	0.2	7.3	2.1
Barclays Capital	1.6	0.2	7.7	2.7	NIESR	1.9	0.5	6.4	3.6
BayernLB	1.7	0.0	8.2	5.1	Nordea	2.0	1.0	7.7	2.9
Berenberg Capital Markets	1.8	-0.3	8.1	4.1	Northern Trust	1.7	0.6	8.0	3.9
BMO Capital Markets	1.9	0.0	8.1	5.0	PNC	1.8	1.0	7.9	3.6
BNP Paribas	1.7	1.0	8.0	4.4	Prometeia	1.8	0.4	8.0	3.8
Capital Economics	2.0	1.1	7.6	2.2	Royal Bank of Canada	1.8	-0.2	8.1	3.2
CIBC World Markets	1.8	0.7	8.1	3.0	RWI	1.6	0.6	8.0	4.3
Comerica Bank	1.7	0.1	8.1	4.0	Schroders	1.7	-1.1	8.0	4.2
Commerzbank	1.7	-0.5	8.2	4.5	Scotia Capital	1.7	0.4	8.2	5.0
Credit Suisse	1.8	0.9	8.0	3.5	Societe Generale	1.9	1.2	8.1	4.1
Danske Bank	1.9	0.5	8.1	4.1	Standard & Poor's	1.6	0.2	8.3	3.7
DBS Bank	1.5	0.3	8.0	3.5	TD Economics	1.6	0.7	8.1	3.7
Desjardins	1.9	0.3	8.1	3.6	University of Michigan - RSQE	1.9	0.5	8.1	4.5
DZ Bank	1.7	-0.8	8.3	5.8	UOB	1.0	-0.5	8.5	3.0
Erste Group Bank AG	1.7	0.8	8.0	3.0	Wells Fargo	1.9	0.1	8.1	4.1
Fannie Mae	-0.1	-0.5	7.6	2.5					
First Trust Advisors	1.9	0.7	8.1	5.1					
Handelsbanken	1.8	0.2	4.8	3.4					
IFO Munich Institute	2.4	0.8	7.5	4.9	<b>CONSENSUS</b>				
Intesa Sanpaolo	1.8	0.4	8.1	4.3	Median	1.8	0.4	8.1	3.9
KBC	1.8	0.5	8.1	4.0	Mean	1.6	0.4	7.9	3.8
Kiel Institute	1.9	-0.1	8.1	3.9	High	2.4	2.3	8.5	5.8
Moody's Analytics	1.8	0.7	8.1	4.0	Low	-0.2	-1.1	4.8	2.1
Mortgage Bankers Association	-0.2	0.1	7.5	2.6	Standard Deviation	0.5	0.6	0.6	0.8

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## EMED Consensus Forecasts for the Euro Area: November 2022 Survey

EURO AREA	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)		EURO AREA	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)	
	2022	2023	2022	2023		2022	2023	2022	2023
ABN AMRO	2.7	-0.9	8.0	4.0	Moody's Analytics	3.2	0.5	8.3	5.6
Bank Julius Baer	3.2	0.7	8.2	4.4	NIESR	3.2	0.6	8.2	4.8
Barclays Capital	3.1	-1.1	7.1	2.8	Nordea	3.0	0.0	8.4	6.4
BayernLB	2.9	-0.9	8.4	8.1	Northern Trust	1.2	0.6	9.6	2.7
Berenberg Capital Markets	3.1	-0.8	8.6	6.7	Prometeia	3.3	0.1	8.6	5.5
BMO Capital Markets	3.1	0.1	8.5	7.9	Royal Bank of Canada	3.0	-0.3	8.0	4.6
BNP Paribas	2.8	0.3	8.3	6.0	RWI	2.6	0.1	11.1	10.0
Capital Economics	2.3	1.8	7.5	3.5	Schroders	3.0	0.4	7.3	3.1
Commerzbank	3.0	-0.7	8.5	7.0	Scotia Capital	3.0	-0.7	8.2	6.1
Credit Suisse	3.2	-0.2	8.6	6.0	Societe Generale	3.3	0.8	8.5	6.5
Danske Bank	3.1	0.3	8.5	5.8	Standard & Poor's	3.1	0.3	8.2	5.2
DBS Bank	2.5	-0.4	8.3	6.0	TD Economics	3.1	-0.2	8.2	5.6
DZ Bank	3.1	-1.0	8.5	6.7	UOB	2.7	-1.0	8.0	4.3
Erste Group Bank AG	2.7	1.0	7.9	4.1	Wells Fargo	3.2	-0.7	8.5	6.4
ETLA	2.3	1.8	6.0	2.4					
EUROFER	2.9	0.4	8.0	4.9					
Handelsbanken	3.1	-0.5	8.2	5.0	<b>CONSENSUS</b>				
IFO Munich Institute	3.2	0.5	8.3	8.2	Median	3.0	0.1	8.3	5.9
Intesa Sanpaolo	3.1	0.5	8.4	6.8	Mean	2.9	0.0	8.3	5.6
KBC	3.2	0.2	8.5	6.1	High	3.3	1.8	11.1	10.0
Kiel Institute	3.0	-0.1	8.1	7.2	Low	1.2	-1.1	6.0	2.4
Mizuho Securities	2.5	-0.7	8.6	6.3	Standard Deviation	0.4	0.7	0.7	1.7

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## EMED Consensus Forecasts for Japan: November 2022 Survey

JAPAN	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)		JAPAN	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)	
	2022	2023	2022	2023		2022	2023	2022	2023
	ABN AMRO	1.6	1.3	2.3		1.5	NIESR	1.7	1.5
Bank Julius Baer	2.0	2.1	2.1	1.2	Nordea	1.5	1.6	1.0	0.8
BayernLB	1.6	1.3	2.3	1.6	Northern Trust	1.8	1.0	2.4	1.5
Berenberg Capital Markets	1.7	0.5	2.3	1.6	Prometeia	1.3	1.1	2.3	2.2
BMO Capital Markets	1.5	1.2	2.3	2.5	RWI	1.3	1.2	2.1	1.5
BNP Paribas	1.3	0.8	2.2	1.1	Scotia Capital	1.7	1.6	2.0	1.4
Capital Economics	1.7	0.7	2.4	1.4	Societe Generale	1.5	1.4	2.4	2.1
Commerzbank	1.7	1.5	2.2	1.5	Standard & Poor's	1.6	1.4	2.2	1.6
Credit Suisse	1.0	0.5	2.2	1.7	TD Economics	1.0	1.5	2.0	1.5
Daiwa Institute of Research	2.6	1.8	2.1	1.3	UOB	1.5	1.0	3.5	2.0
Danske Bank	1.3	1.5	2.1	2.2	Wells Fargo	1.6	1.3	2.3	1.5
DBS Bank	1.6	1.8	2.4	2.0					
DZ Bank	1.3	0.8	2.3	2.0					
IFO Munich Institute	1.6	1.8	2.1	1.0					
Intesa Sanpaolo	1.7	1.5	2.2	1.2	<b>CONSENSUS</b>				
JCER	1.9	1.2	2.7	1.5	Median	1.6	1.3	2.2	1.5
KBC	1.5	1.5	2.2	1.6	Mean	1.6	1.2	2.2	1.6
Kiel Institute	1.1	-0.6	2.3	2.1	High	2.6	2.1	3.5	2.5
Mizuho Securities	1.8	1.2	2.2	0.7	Low	1.0	-0.6	1.0	0.7
Moody's Analytics	1.6	1.6	2.4	1.4	Standard Deviation	0.3	0.5	0.4	0.4

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## EMED Consensus Forecasts for China: November 2022 Survey

CHINA	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)		CHINA	Gross Domestic Product (% yoy)		Consumer Prices (% yoy)	
	2022	2023	2022	2023		2022	2023	2022	2023
	ABN AMRO	3.5	5.2	2.5		2.5	Kiel Institute	2.9	5.3
Bank Julius Baer	3.0	4.6	2.4	2.3	Moody's Analytics	3.2	5.1	2.3	3.6
Bank of East Asia	3.5	5.2	2.3	2.2	NIESR	3.1	4.4	2.2	2.9
Barclays Capital	2.6	4.5	2.3	2.0	Nordea	3.0	4.0	2.1	1.8
BayernLB	3.2	4.4	2.2	2.3	Northern Trust	3.4	4.4	3.1	1.9
BBVA	3.6	5.2	2.3	2.5	Schroders	3.3	5.0	2.0	2.3
Berenberg Capital Markets	3.3	4.4	2.2	2.5	Scotia Capital	3.2	4.4	2.2	2.2
BMO Capital Markets	3.5	4.5	2.1	2.5	Societe Generale	3.2	5.0	2.1	2.9
BNP Paribas	3.7	5.7	2.3	3.4	Standard & Poor's	2.7	4.7	2.2	2.4
Capital Economics	2.5	3.5	2.0	2.5	UOB	3.3	4.8	2.2	2.8
Commerzbank	3.5	4.0	3.0	3.0	Wells Fargo	3.2	5.1	2.2	2.3
Credit Suisse	3.3	4.5	2.2	2.0					
Daiwa Institute of Research	3.0	2.5	1.8	1.5					
Danske Bank	3.3	4.9	2.5	2.5					
DBS Bank	3.0	4.0	2.2	2.0	<b>CONSENSUS</b>				
DZ Bank	3.0	4.2	2.1	2.4	Median	3.2	4.5	2.2	2.4
IFO Munich Institute	3.2	4.9	2.6	2.5	Mean	3.2	4.6	2.3	2.4
Intesa Sanpaolo	3.0	5.1	2.2	2.4	High	3.7	5.7	3.1	3.6
JP Morgan	2.9	4.0	2.1	2.0	Low	2.5	2.5	1.8	1.5
KBC	3.2	4.5	2.0	2.1	Standard Deviation	0.3	0.6	0.3	0.5

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# List of Forecasters: November 2022 Survey

ABN Amro	Fannie Mae	Taiwan Institute of Economic Research
Action Economics	First Trust Advisors	TD Economics
AIB Global Treasury	Freddie Mac	TISCO Securities
Allianz	Grupo Financiero Monex	UniCredit Group
ANZ	Handelsbanken	University of Maryland
ASB Bank	IFO Munich Institute	University of Michigan - RSQE
Banco de Oro Unibank	Infometrics	UOB
Bank Julius Baer	Intesa Sanpaolo	Wells Fargo
Bank Mandiri	Invesco	WestLB
Bank of Ayudhya PCL	ITOCU Institute	Westpac Bank
Bank of East Asia	Japan Center for Economic Research	
Bank of Ireland	JP Morgan	
Bank of Tokyo-Mitsubishi UFJ	Kasikornbank	
Bank Pocztowy	KBC	
Bahana TCW IM	Kiel Institute	
BayernLB	Korea Investment and Securities	
BBVA	Mesirow Financial	
Berenberg Capital Markets	Metrobank	
BHF Bank	Mizuho Securities	
BMO Capital Markets	Monte Dei Paschi Di Siena	
BNP Paribas	Moody's Analytics	
BNZ	Mortgage Bankers Association	
Cambridge Econometrics	National Association of Realtors	
Capital Economics	National Australia Bank	
CEBR	National Bank of Canada	
CEESP	NBNZ	
CIBC World Markets	NIESR	
Comerica Bank	Nordea	
Commerzbank	Northern Trust	
Commonwealth Bank	NZIER	
Confederation of British Industry	OCBC Bank	
Credit Agricole	OTP Bank	
Credit Suisse	Phatra Securities	
Daiwa Institute of Research	PNC	
Danamon Bank	Prometeia	
Danske Bank	Rabobank	
DBS Bank	Raymond James	
Deka Bank	ROBECO	
Desjardins	Royal Bank of Canada	
DIW Berlin	RWI	
DnB NOR	Schroders	
DZ Bank	Scotia Capital	
Erste Group Bank AG	Societe Generale	
ETLA	Standard & Poor's	
EUROFER	Swedbank	