

Asia-Pacific Banking Country Snapshots

Government Support Buttresses Bank Ratings

S&P Global Ratings

Primary credit analyst

Gavin Gunning

Secondary credit analysts

Geeta Chugh

Kensuke Sugihara

Ryan Tsang

Research contributor

Priyal Shah

October 31, 2024

Key Takeaways



The outlooks on most Asia-Pacific bank ratings remain stable, supported by our anticipation of strong government backing for most systemically important banks.



In Vietnam, the impact of a recent typhoon will likely strain the profitability of domestic banks, and we believe Thai banks will weather flood-related damage.



Hong Kong banks face high vacancy rates in office space and a spillover of weak sentiment from mainland China's property downturn.

Key Risks



Property sector stress worsens



Economic downside risks intensify



High corporate and government sector leverage



Digitalization, climate change, and cyber to challenge banks' business models



Property Is The Biggest Risk To Financial Institutions Ratings In 2024



Commercial property risks weigh on banks

- Downside commercial property risks could hurt banks' asset quality, particularly in China and Vietnam.
- Commercial real estate in Hong Kong is under pressure, with high vacancy rates.



Some NBFIs are more highly exposed than banks

- China's state-owned AMCs face further impairment losses in 2024 but government support remains strong.
- Korean nonbanks may see rising credit risks from real estate project financing.



Residential borrowers grapple with higher interest rates

- Household debt funding for residential mortgages is high in Korea, Australia, and New Zealand.
- Banks' asset quality in these jurisdictions remains resilient.



Buffers alleviate concerns

- Profitability and capitalization prospects are sound for most institutions.
- A downside scenario hitting property outside our current base case would test rating outlooks.

NBFI--Nonbank financial institutions, AMC--Asset management companies.



CRE | Still Rising Credit Risk, But Exposures Are Manageable For Most

- We estimate that major banks in advanced Asia-Pacific economies can comfortably absorb a hypothetical additional 200 basis points in credit losses on CRE exposures.
- This is in addition to our current base case credit losses across their entire loan portfolios (including CRE).

Banks have manageable CRE exposures...

(%)



Data is for 2023 actuals. Commercial property includes income-producing commercial real estate and excludes construction. The chart includes systemically-important banks for each country as a proxy for system data. CRE-Commercial real estate. Source: S&P Global Ratings.

...Even if CRE losses are 200 bps worse than we expect Credit losses as a percentage of total adjusted capital (%)

Additional (unexpected) 200 bps of credit losses from CRE loan exposures

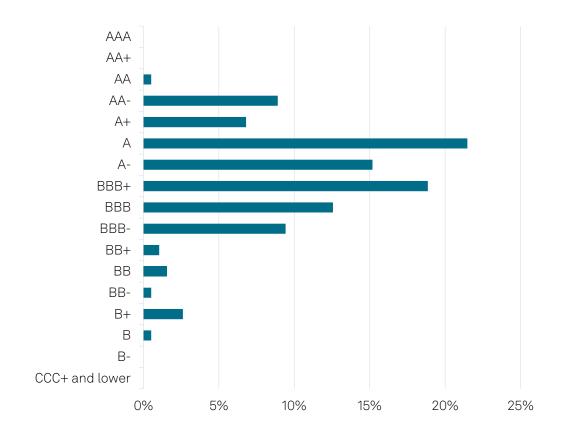


Data is 2024 forecasts. Commercial property includes income-producing commercial real estate and excludes construction. The chart includes systemically-important banks for each country as a proxy for system data. CRE--Commercial real estate. Source: S&P Global Ratings.

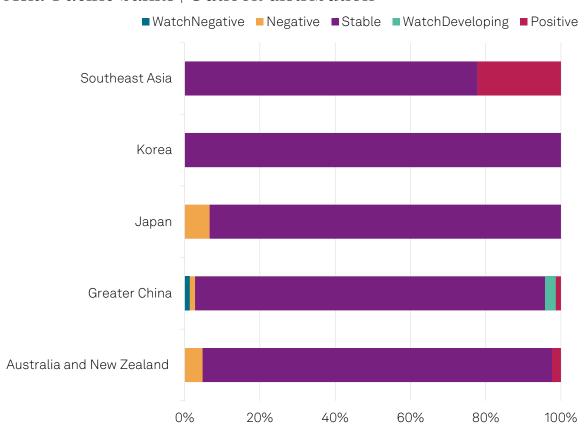


Ratings Resilient, Outlook Stable As Risks Lurk

Asia-Pacific banks | Rating distribution



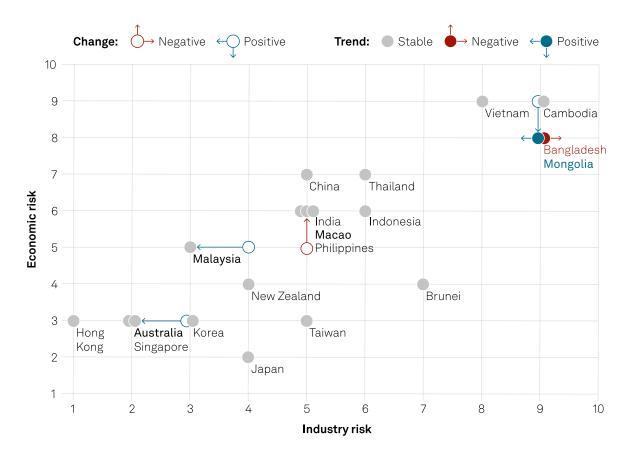
Asia-Pacific banks | Outlook distribution



Data as of October 17, 2024. Source: S&P Global Ratings.



Stable Trends Prevail For Most Countries



Banking Industry Country Risk Assessment (BICRA) changes in 2024:

Mongolia: We revised our economic risk to '8', from '9', and some scores on economic risk-related factors. We also revised the industry risk trend to positive from stable (October 2024).

Malaysia: We revised our industry risk to '3' from '4'. We also revised some scores on industry risk-related factors (September 2024).

Macao Special Administrative Region: We revised our economic risk score to '6' from '5' (May 2024).

Australia: BICRA Group to '2' from '3'; industry risk trend to stable from positive and industry risk score to '2' from '3' (April 2024).

Macao Special Administrative Region: Assigned to BICRA Group '5' (January 2024).

Economic risk and industry risk scores are on a scale from 1 to 10, with 1 representing the lowest-risk and 10 the highest-risk. Data as of October 18, 2024. Source: S&P Global Ratings.



Banking Industry Country Risks | The Strong, The Weak And The In Between

Country	BICRA Group	Economic risk trend		Economic resilience	Economic imbalances	Credit risk in the economy	Institutional framework	Competitive dynamics	Systemwide funding
Australia	2	Stable	Stable	VL	Н	L	VL	L	1
Bangladesh	9	Stable	Negative	VH	T.	EH	EH	EH	I
Brunei	6	Stable	Stable	I	L	Н	EH	I	L
Cambodia	9	Stable	Stable	VH	Н	EH	EH	Н	VH
China	6	Stable	Stable	I	Н	VH	Н	Н	VL
Hong Kong	2	Stable	Stable	L	I I	1	VL	L	VL
India	5	Stable	Stable	Н	L	VH	Н	Н	L
Indonesia	6	Stable	Stable	Н	L	VH	Н	Н	I
Japan	3	Stable	Stable	L	VL	1	I	Н	VL
Korea	3	Stable	Stable	L	L	1	I	ı	L
Macao	5	Stable	Stable	ı	Н	Н	VH	I	L
Malaysia	4	Stable	Stable	Н	L	Н	l l	ı	L
Mongolia	9	Stable	Positive	Н	Н	EH	EH	Н	VH
New Zealand	4	Stable	Stable	VL	Н	I	I	L	Н
Philippines	5	Stable	Stable	VH	L	Н	Н	I	ı
Singapore	2	Stable	Stable	VL	l l	ı	VL	L	L
Taiwan	4	Stable	Stable	L	L	1	I	VH	VL
Thailand	7	Stable	Stable	Н	Н	VH	VH	Н	L
Vietnam	9	Stable	Stable	VH	Н	EH	EH	VH	I
Positive aconomic or industry risk trand				Stable acanomic or industry risk trand			Nagative accomming or industry risk trand		

Positive economic or industry risk trend

Stable economic or industry risk trend

Negative economic or industry risk trend

Very low risk (VL)

Low risk (L)

Intermediate risk (I)

High risk (H)

Very high risk (VH)

Extremely high risk (EH)

The table presents S&P Global Ratings' views about key risks and risk trends for banking sectors in Asia-Pacific countries where we rate banks.

For more detailed information, please refer to the latest Banking Industry Country Risks Assessment (BICRA) on a given country.

According to our methodology, BICRAs fall into groups from '1' to '10', ranging from what we view as the lowest-risk banking systems (group '1') to the highest-risk (group '10').

Data as of October 18, 2024.



Country Snapshots

Select banking jurisdictions in the Asia-Pacific region

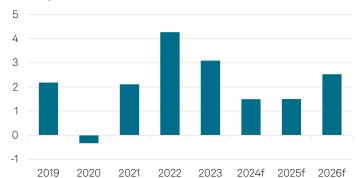
Nico DeLange

Nico.delange@spglobal.com

Australia Low Unemployment Should Shield Against Credit Losses

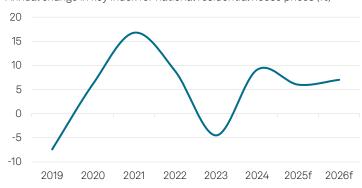
Economic growth to be modest

Real GDP growth (%)



Modest growth in house prices

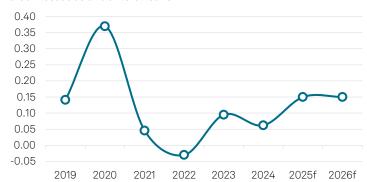
Annual change in key index for national residential house prices (%)



Figures as of fiscal year ending June. f--Forecast. Source: S&P Global Ratings.

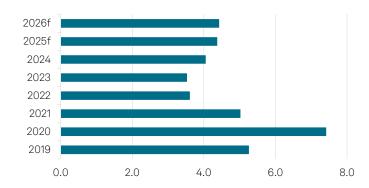
Banks' credit losses should remain low

Credit losses as a % of total loans



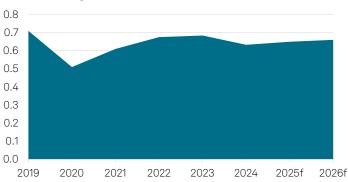
Low unemployment rate

Unemployment rate (%)



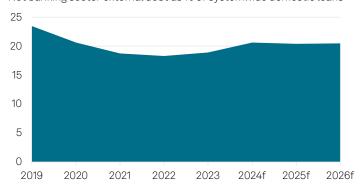
We expect earnings to stay strong

Return on average assets (%)



Reliance on net external borrowings is sizable

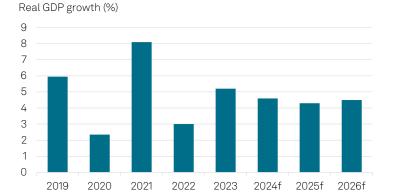
Net banking sector external debt as % of systemwide domestic loans



ming.tan@spglobal.com

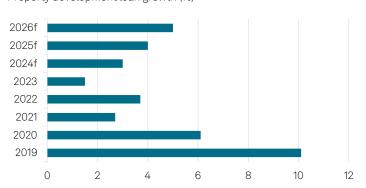
China | Uneven Recovery Pressures Chinese Banks

Economic recovery uneven amid modest policy support



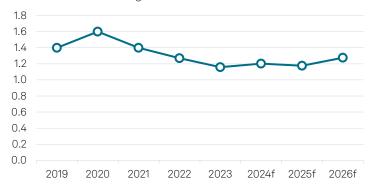
Delay in recovery in real estate loan quality

Property development loan growth (%)



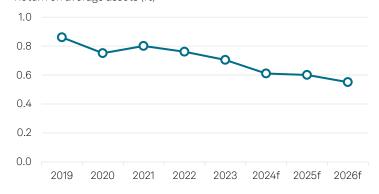
Commercial banks to see slightly higher credit costs

Credit costs as % of average loans



Profitability to remain pressured

Return on average assets (%)

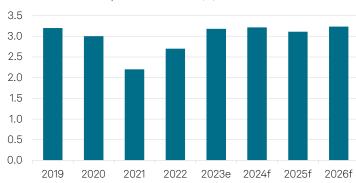


Data as of year ended December. e-Estimate. f--Forecast. NPL--Nonperforming loans. Source: S&P Global Ratings.

S&P GlobalRatings

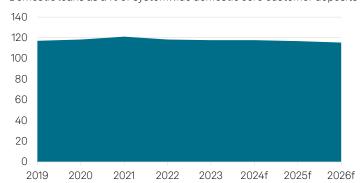
Policy and funding support smaller companies

Micro and small enterprises -- NPL ratio (%)



Strong customer deposit base

Domestic loans as a % of systemwide domestic core customer deposits

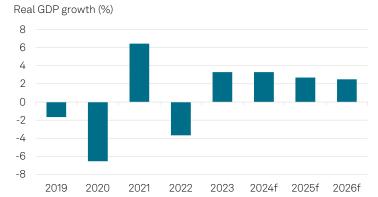


Shinoy Varghese

shinoy.varghese1@spglobal.com

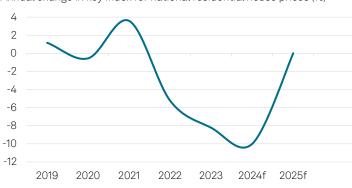
Hong Kong SAR | Major Hong Kong Banks Can Manage Commercial Real Estate Risk

Economic growth to moderate

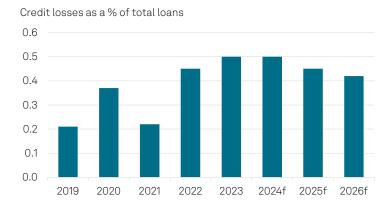


Residential housing prices to remain flattish in 2025

Annual change in key index for national residential house prices (%)

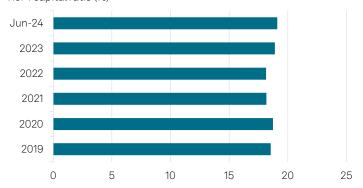


Hong Kong banks' CRE related provisions to remain contained



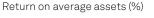
Strong capitalization through the cycles

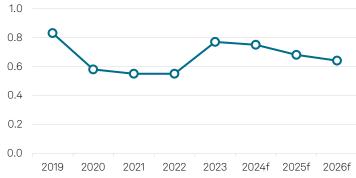
Tier 1 capital ratio (%)



Data as of year ended December. CRE--Commercial real estate. NIM--Net interest margin. e--Estimate. f--Forecast. Sources: Hong Kong Monetary Authority. S&P Global Ratings.

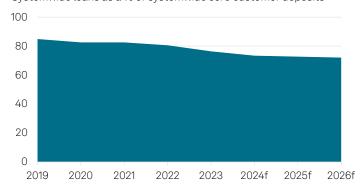
Profitability to decline in 2025 with a visible dip in NIM





Solid customer deposits remain a key support

Systemwide loans as a % of systemwide core customer deposits

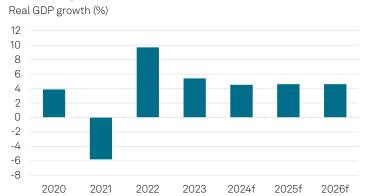


Deepali V Seth Chhabria

deepali.seth@spglobal.com

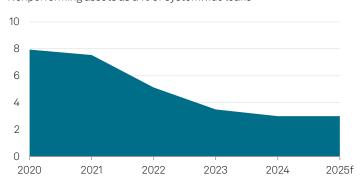
India | Structural Improvements, Solid GDP Enhance System Resilience

Economic growth momentum to continue

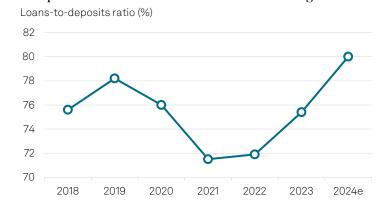


Asset quality to continue to improve

Nonperforming assets as a % of systemwide loans



Sharp rise in LDR to cast shadow on future credit growth



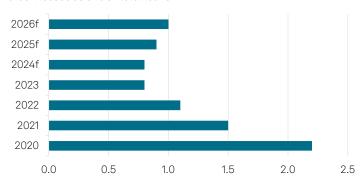
Delinquencies in the retail segment rising from a low base

90+ days past due (%) June 2024 vs. March 2023



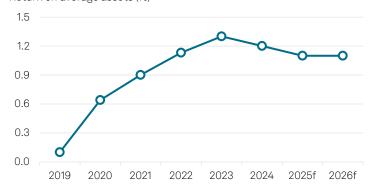
Credit losses to inch up slightly from cyclical low

Credit losses as a % of total loans



Returns have peaked and are likely to moderate slightly

Return on average assets (%)



Figures as of fiscal year ending March. Nonperforming assets includes nonperforming loans (NPL) and standard restructured loans. LDR--Loans-to-deposits ratio. Sources: Reserve Bank of India. Company financials. TransUnion CIBIL. S&P Global Ratings estimates.

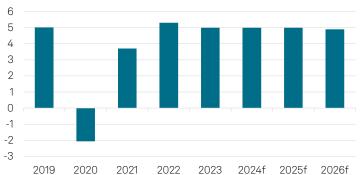


ivan.tan@spglobal.com

Indonesia | Good Economic Growth Prospects To Bolster Banks

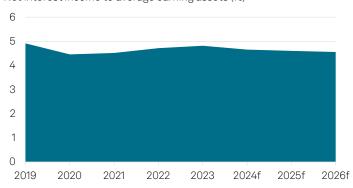
Economic growth is a boost

Real GDP growth (%)



NIMs to compress but remain manageable

Net interest income to average earning assets (%)



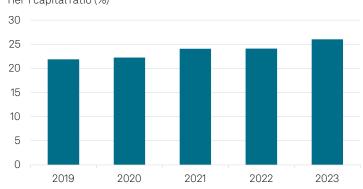
Credit costs should remain under control

Credit losses % of total loans



Strong capital buffers

Tier 1 capital ratio (%)

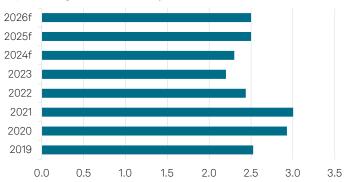


Data as of year ended December. e--Estimate. f--Forecast. NIM--Net interest margin. NPL--Nonperforming loans. Sources: OJK. S&P Global Ratings.

S&P GlobalRatings

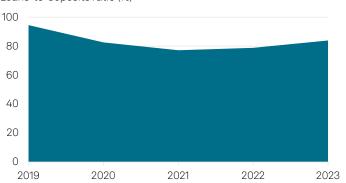
Manageable impact on NPA from orderly expiry of restructuring scheme

Nonperforming assets as a % of systemwide loans



Strong funding support from customer deposits

Loans-to-deposits ratio (%)

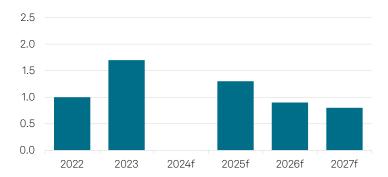


Japan | Stronger Tailwind for Banks

kensuke.sugihara@spglobal.com

Domestic-oriented economy will continue to grow

Real GDP growth (%)

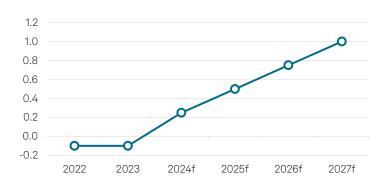


Banks secure interest margins over its deposits

Banks' interest rates on deposits vs JGB yield curve(%)



We expect the rise of policy interest rate to be low and slow Policy rates (year-end) (%)

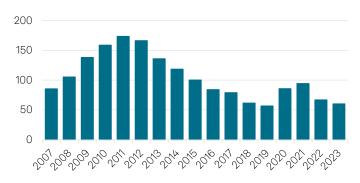


Deposits still occupy majority of household's financial assets Household deposits and other financial assets (year-end; JPY tril.)



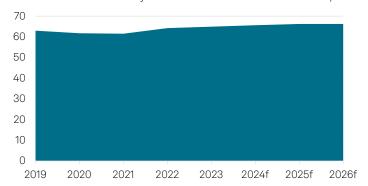
Domestic banks prepare for rate hikes and tapering

Domestic banks' holding of JGBs and Zaito-bonds at FY end (JPY tril.)



Stable deposit base a key strength for the banking system

Domestic loans as a % of systemwide domestic core customer deposits



Data as of fiscal year ended March. Top-10 indicates top ten banks and so on for others. AFS--Available for sale. BoJ--Bank of Japan. e--Estimate. f--Forecast. Sources: Bank financial disclosures. Bank of Japan. S&P Global Ratings.

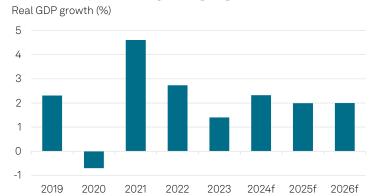


Daehyun Kim

daehyun.kim@spglobal.com

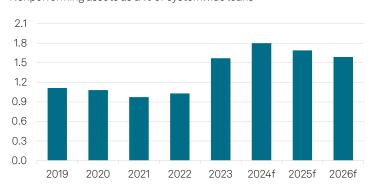
Korea | Banks To Remain Focused On Risk Control

Korea's steady economic growth prospect

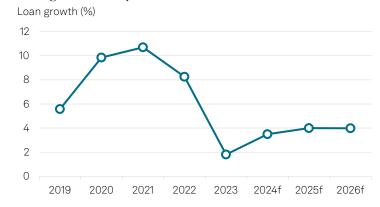


Higher credit risks from nonbank deposit-taking institutions

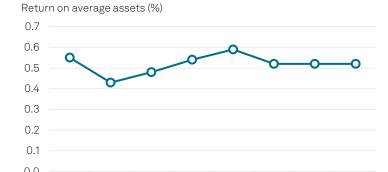
Nonperforming assets as a % of systemwide loans



Loan growth to stay moderate



Largely stable profitability

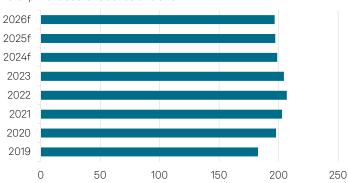


2022

2021

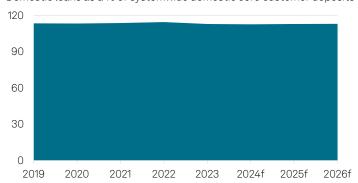
Private-sector leverage is high

Total private sector debt as a % of GDP



Stable funding backed by customer deposits

Domestic loans as a % of systemwide domestic core customer deposits



Data as of year ended December. f--Forecast. Source: S&P Global Ratings.

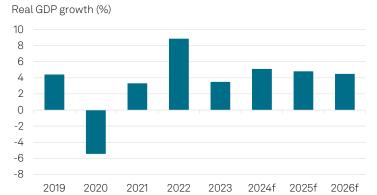


Nikita Anand

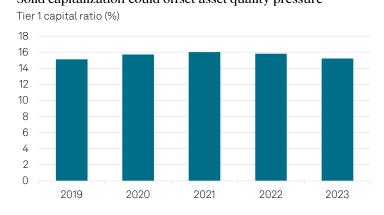
nikita.anand@spglobal.com

Malaysia | Banks Likely To Stand Firm Against Headwinds

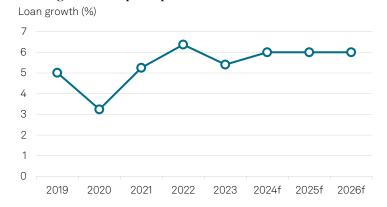
Economic conditions will improve



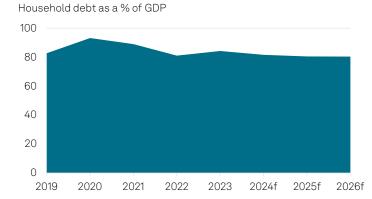
Solid capitalization could offset asset quality pressure



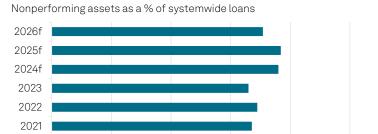
Credit growth will pick up



High household leverage poses risk



Asset quality deterioration manageable

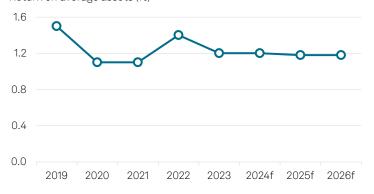


1.0

Earnings will stay flattish

Return on average assets (%)

0.5



Data as of year ended December. e--Estimate. f--Forecast. Sources: BNM, S&P Global Ratings.



Read latest report

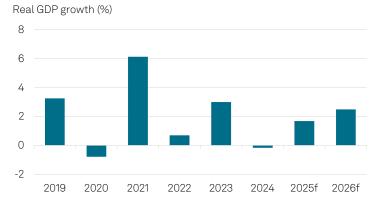
2.5

Lisa Barrett

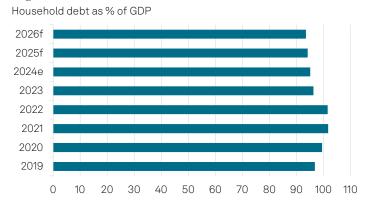
lisa.barrett@spglobal.com

New Zealand | Central Bank Easing To Support House Price Growth

Economic growth to remain below trend in 2025

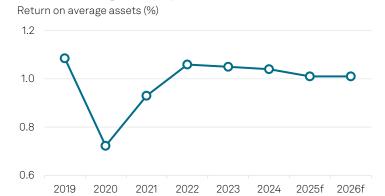


High household indebtedness

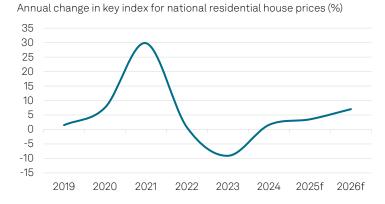


Data as of fiscal year ended June. e- Estimate, f--Forecast. Source: S&P Global Ratings.

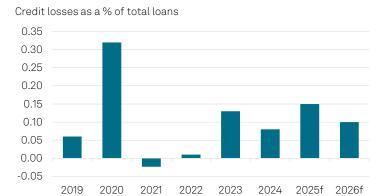
Banks maintain profitability



House price growth to remain muted in 2025

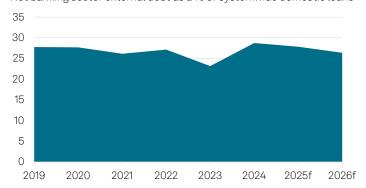


Credit losses to remain low



High net external borrowings and limited customer deposits

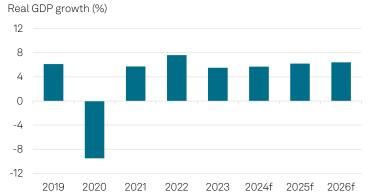
Net banking sector external debt as a % of systemwide domestic loans



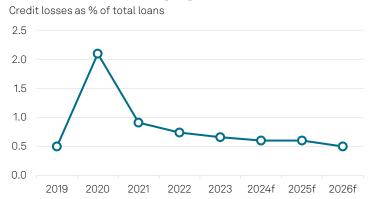
nikita.anand@spglobal.com

Philippines | Interest Rate Cuts To Boost Loan Growth, Compress Yields

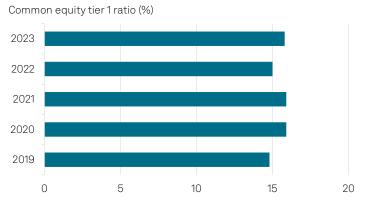
Economic growth will improve



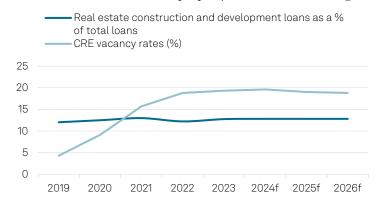
Credit losses will stay near pre-pandemic levels



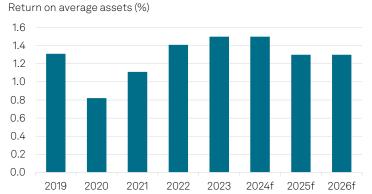
Banks maintain good capital buffers



Downside risk of a fallout in property markets remains high

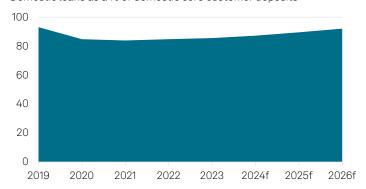


Return on assets has peaked and will gradually decline



Loans to deposit ratio will moderate from strong levels

Domestic loans as a % of domestic core customer deposits



Data as of year ended December. CRE vacancy rate is data for office vacancy rate in metro Manila. e--Estimate. f--Forecast. Source: S&P Global Ratings.



ivan.tan@spglobal.com

Singapore | The Fed Pivot Will Change Dynamics For The Country's Banks

Domestic market recovery will buffer against external stress

Real GDP growth (%)

10

8

6

4

2

0

-2

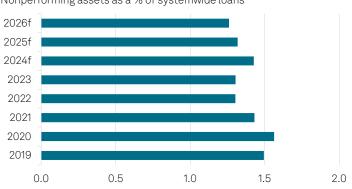
-4

-6

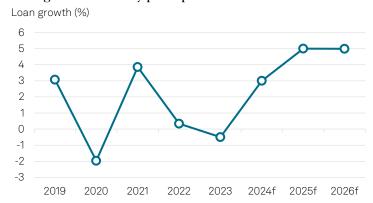
2019 2020 2021 2022 2023 2024f 2025f 2026f

Asset quality should remain resilient

Nonperforming assets as a % of systemwide loans

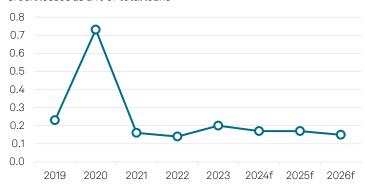


Loan growth will likely pick up



Credit costs to remain manageable

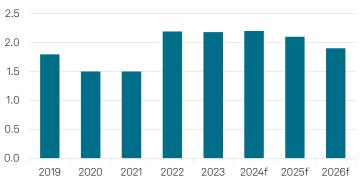
Credit losses as a % of total loans



Data as of year ended December. Loan growth data for 2021 is based on our internal estimates and rated bank data. e--Estimate. f--Forecast. Source: S&P Global Ratings.

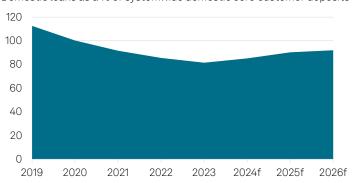
Net interest margins have peaked, some moderation expected

Net interest income to average earning assets (%)



Stable customer deposits underpin funding

Domestic loans as a % of systemwide domestic core customer deposits



Taiwan | Solid Capitalization Can Absorb Volatility

Yuhan Lan

yuhan.lan@spglobal.com

Better economic growth prospects in 2024

Real GDP growth (%)

7

6

5

4

3

2

1

Real estate prices to grow by mid single digit in 2024

2021

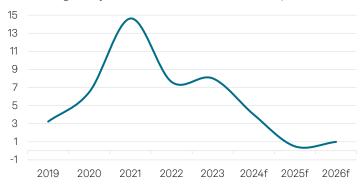
Annual change in key index for national residential house prices (%)

2022

2023

2025f

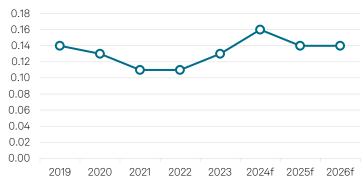
2026f



Data as of year ended December. e--Estimate. f--Forecast. Source: S&P Global Ratings.

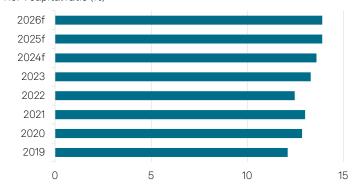
Credit costs to remain elevated

Credit losses as a % of total loans



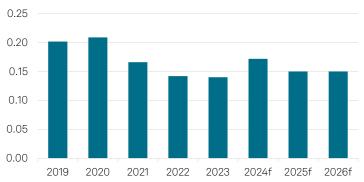
Banks' capitalization to remain solid

Tier 1 capital ratio (%)



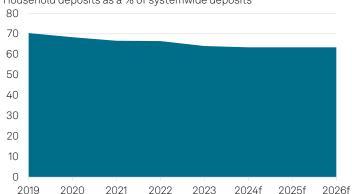
Loan moratorium expiration may push banks' NPA recognition

Nonperforming assets as a % of systemwide loans



Household deposits predominantly fund deposit base

Household deposits as a % of systemwide deposits

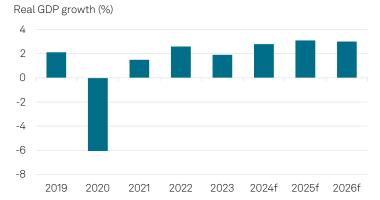


Deepali V Seth Chhabria

deepali.seth@spglobal.com

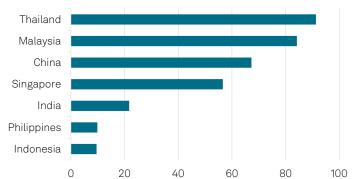
Thailand | Elevated Credit Costs To Continue Weighing On Thai Banks

Economic recovery remains weak and uneven



Households have high leverage

Household debt as % of GDP 2023



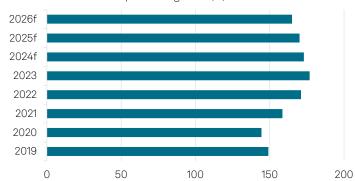
Data as of period ended December. f--Forecast. Source: S&P Global Ratings.

Tourist arrivals are recovering fast, but spending lags



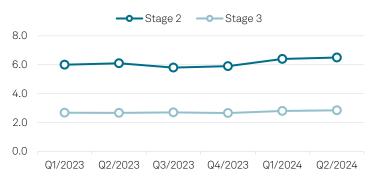
High provisioning coverage provides downside protection

Loan loss reserves / nonperforming loans (%)



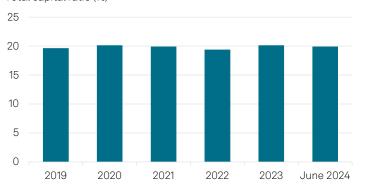
Rising Stage 2 loans reflect high credit risk in the system

As a % of systemwide loans



Strong capitalization offers some cushion

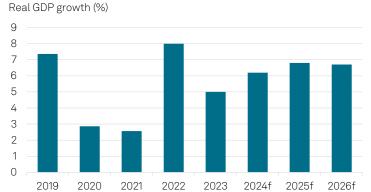
Total capital ratio (%)



Vietnam | On A Gradual Path To Recovery

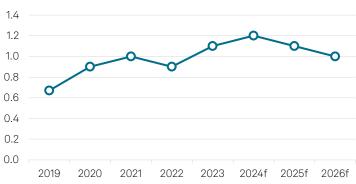
sue.ong@spglobal.com

FDI and recovering domestic demand to buttress GDP growth

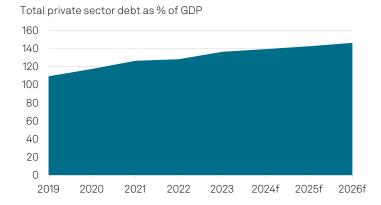


We expect credit costs to remain elevated

Credit losses as % of total loans

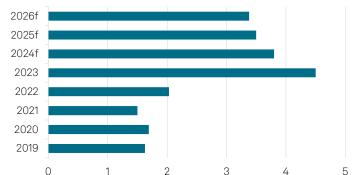


Rising indebtedness continues to pose a risk



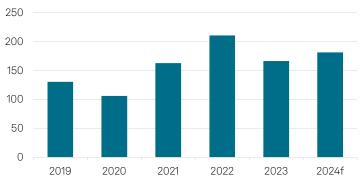
Nonperforming assets are likely to stay elevated

Nonperforming assets as a % of systemwide loans



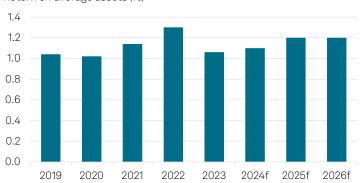
Higher property sales should ease asset-quality pain

Aggregate Vietnam property pre-sales (VND tril.)



Returns on assets to remain stable

Return on average assets (%)



Data as of year ended December 2023. Actual and forecast aggregate presales cover two Vietnam developers--Vinhomes Joint Stock Co. and No Va Land Investment Group Corp. FDI--Foreign direct investment. E--Estimate. f--Forecast. VND--Vietnamese dong. Sources: Company disclosures. S&P Global Ratings.

Interactive Dashboard

How to access the Global Banks Midyear Outlook 2024 Dashboard

The Global Banks Midyear Outlook 2024 Dashboard includes our in-house sector insights and trends, latest global and regional banking statistics and aggregate data.

Using the link, compare a banking system with its peers according to geographic region or BICRA group.

Click here

Global Banks Midyear Outlook 2024 Dashboard

Related Research

- Asia-Pacific Financial Institutions Monitor 4Q 2024: Government Support Buttresses Bank Ratings, Oct. 31, 2024
- Will China's Latest Stimulus Initiatives Achieve Lift-Off?, October 25, 2024
- Top 200 Rated Banks' Capital Ratios Are On A Stable Trend, October 21, 2024
- Thai Financial Sector Will Weather Flood Damage, October 8, 2024
- Your Three Minutes In Vietnamese Banking: Typhoon Debt Relief Measures Could Crimp Profitability, September 26, 2024
- Indian Fincos' Balancing Act: Will The Regulatory Burden Crimp High Credit Growth?, September 24, 2024
- Phasing Out Bank AT1--An Australian Solution To An Australian Dilemma, September 18, 2024
- Will The Center Hold For Asia-Pacific Banks? Panelists Discuss Likely Catalysts For Change In 2025, September 17, 2024
- Global Banks Country-By-Country Midyear Outlook 2024: Searching For Calmer Waters, July 17, 2024
- Global Banks Midyear Outlook 2024: Searching For Calmer Waters, July 17, 2024

Analytical Contacts

Primary credit analyst

Gavin Gunning

Managing Director, Financial Institutions Ratings

gavin.gunning@spglobal.com

Secondary credit analysts

Kensuke Sugihara

Managing Director, Financial Institutions Ratings

kensuke.sugihara@spglobal.com

Geeta Chugh

Managing Director, Financial Institutions Ratings

geeta.chugh@spglobal.com

Ryan Tsang

Managing Director, Financial Institutions Ratings

ryan.tsang@spglobal.com

Sharad Jain

Director, Financial Institutions Ratings

sharad.jain@spglobal.com

Analytical Contacts

Nico DeLange

Director, Financial Institutions Ratings

nico.delange@spglobal.com

Deepali V Seth Chhabria

Associate Director, Financial Institutions Ratings

deepali.seth@spglobal.com

Nikita Anand

Director, Financial Institutions Ratings

nikita.anand@spglobal.com

Sue Ong

Associate, Financial Institutions Ratings

sue.ong@spglobal.com

Editor

Kenneth Chung

Ming Tan

Director, Financial Institutions Ratings

ming.tan@spglobal.com

Ivan Tan

Director, Financial Institutions Ratings

ivan.tan@spglobal.com

Lisa Barrett

Director, Financial Institutions Ratings

lisa.barrett@spglobal.com

Digital designer

Evy Cheung

Shinoy Varghese

Associate Director, Financial Institutions Ratings

shinoy.varghese1@spglobal.com

Daehyun Kim

Director, Financial Institutions Ratings

daehyun.kim@spglobal.com

Yuhan Lan

Director, Financial Institutions Ratings

yuhan.lan@spglobal.com

Research contributor

Priyal Shah





Copyright © 2024 by Standard & Poor's Financial Services LLC. All rights reserved.

No content (including ratings, credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of Standard & Poor's Financial Services LLC or its affiliates (collectively, S&P). The Content shall not be used for any unlawful or unauthorized purposes. S&P and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively S&P Parties) do not guarantee the accuracy, completeness, timeliness or availability of the Content. S&P Parties are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, for the results obtained from the use of the Content, or for the security or maintenance of any data input by the user. The Content is provided on an "as is" basis. S&P PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED, OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall S&P Parties be liable to any party for any direct, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Content even if advised of the possibility of such damages.

Credit-related and other analyses, including ratings, and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact. S&P's opinions, analyses, and rating acknowledgment decisions (described below) are not recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security. S&P assumes no obligation to update the Content following publication in any form or format. The Content should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. S&P does not act as a fiduciary or an investment advisor except where registered as such. While S&P has obtained information from sources it believes to be reliable, S&P does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives. Rating-related publications may be published for a variety of reasons that are not necessarily dependent on action by rating committees, including, but not limited to, the publication of a periodic update on a credit rating and related analyses.

To the extent that regulatory authorities allow a rating agency to acknowledge in one jurisdiction a rating issued in another jurisdiction for certain regulatory purposes, S&P reserves the right to assign, withdraw, or suspend such acknowledgement at any time and in its sole discretion. S&P Parties disclaim any duty whatsoever arising out of the assignment, withdrawal, or suspension of an acknowledgment as well as any liability for any damage alleged to have been suffered on account thereof

S&P keeps certain activities of its business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain business units of S&P may have information that is not available to other S&P business units. S&P has established policies and procedures to maintain the confidentiality of certain nonpublic information received in connection with each analytical process.

S&P may receive compensation for its ratings and certain analyses, normally from issuers or underwriters of securities or from obligors. S&P reserves the right to disseminate its opinions and analyses. S&P's public ratings and analyses are made available on its Web sites, www.spglobal.com/ratings (free of charge) and www.spglobal.com/ratings (free of charge) and www.spglobal.com/ratings (free of charge) and www.spglobal.com/ratings/ees (subscription) and may be distributed through other means, including via S&P publications and third-party redistributors. Additional information about our ratings fees is available at www.spglobal.com/ratings/usratings/usratings/ees.

Australia: S&P Global Ratings Australia Pty Ltd holds Australian financial services license number 337565 under the Corporations Act 2001. S&P Global Ratings' credit ratings and related research are not intended for and must not be distributed to any person in Australia other than a wholesale client (as defined in Chapter 7 of the Corporations Act).

STANDARD & POOR'S, S&P and RATINGSDIRECT are registered trademarks of Standard & Poor's Financial Services LLC.

spglobal.com/ratings

