

# Zuercher Kantonalbank

### **Key Rating Drivers**

**Support Drives Ratings:** Zuercher Kantonalbank's (ZKB) Issuer Default Ratings (IDRs) are driven by support from its guarantor and sole owner, the Canton of Zurich (AAA/Stable/F1+). ZKB's Shareholder Support Rating (SSR) is equalised with the canton's Long-Term IDR. ZKB's Viability Rating (VR) reflects the bank's stable and resilient business model, conservative risk appetite, strong asset quality, funding and capitalisation, and adequate and improving profitability.

Cantonal Guarantee: The canton guarantees all of ZKB's non-subordinated liabilities according to a specific cantonal law (ZKB Law). ZKB's balance sheet is large relative to the canton's budgetary resources, but we believe the bank's stable and resilient business model, funding, and capital buffers mean that recapitalisation or liquidity support needs would be manageable in a realistic stress scenario.

**Timely Support Expected:** The canton's guarantee does not explicitly address the timeliness of support, but Fitch Ratings believes that support would be provided in a timely fashion, given ZKB's high importance for the canton and the potential repercussions of systemically important bank's failure for the Swiss financial sector. The canton's constitution also requires it to have a cantonal bank, making the owner more likely to support the bank in financial distress.

**Strong Regional Franchise:** ZKB's leading franchise in deposit-taking and residential mortgage lending in the Canton of Zurich, where the bank's operations are concentrated, supports the VR. Geographic concentration is mitigated by Zurich's economic strength and the bank's diversified business activities covering retail and commercial banking. ZKB is also the third-largest fund provider and one of the largest asset managers in Switzerland.

Material Real Estate Exposure: ZKB's impaired loans ratio is very low compared with international peers. Its main risk stems from a large real estate exposure in Zurich, with 74% of end-2022 gross customer loans in residential property financing. Fitch believes loan quality would be resilient to a significant decline in property values due to the bank's strict underwriting standards and moderate loan/value ratios.

Improving Earnings: Our assessment of ZKB's profitability reflects its long record of adequate, stable and fairly diversified earnings, despite a material share of trading income in the bank's revenue. Operating profitability (1.4% of risk-weighted assets (RWAs) in 2022) benefits from rising interest rates and we expect it to improve further in 2H23 and 2024.

**Strong Capitalisation:** ZKB's common equity Tier 1 (CET1) ratio remained strong at 16.8% at end-2022, despite strong loan growth. The canton's guarantee covers half of ZKB's gone-concern capital requirement, which will be fully phased in at 7.86% in 2026. The remaining gap will be covered with bail-in debt that the bank started issuing in 1H23.

Stable Funding: The bank's funding is underpinned by a large and mostly granular deposit base, despite some more concentrated corporate and institutional deposits. Customer deposits account for over half of non-equity funding and almost cover the full volume of loans. Wholesale funding needs are moderate and benefit from the bank's cantonal guarantee, due to which investors perceive ZKB as a haven in times of increased market uncertainty.

Recovery and Resolution Plan: As a domestic systemically important bank (D-SIB), ZKB has a recovery and resolution plan approved by the Swiss banking supervisor. According to this plan, the canton could be required to provide CHF3 billion of capital to recapitalise ZKB. Fitch believes the provision of this capital would be manageable for the canton given its strong financial position, and would not on its own drive negative action on the canton's ratings, or trigger a reassessment of our support assumptions.

#### **Ratings**

Long-Term IDR	AAA
Short-Term IDR	F1+
Viability Rating	a+
Shareholder Support Rating	aaa

#### Sovereign Risk

Long-Term Foreign-Currency IDR	AAA
Long-Term Local-Currency IDR	AAA
Country Ceiling	AAA

#### Outlooks

Long-Term Foreign-Currency IDR	Stable
Sovereign Long-Term Foreign- Currency IDR	Stable
Sovereign Long-Term Local- Currency IDR	Stable

### Applicable Criteria

Bank Rating Criteria (September 2022)

#### **Related Research**

Fitch Affirms Zuercher Kantonalbank at 'AAA'; Outlook Stable (July 2023)

Fitch Affirms Switzerland at 'AAA'; Outlook Stable (May 2023)

Global Economic Outlook (June 2023)

Fitch Affirms Canton of Zurich at 'AAA'; Outlook Stable (November 2022)

#### **Analysts**

Maria Shishkina +44 20 3530 1379 maria.shishkina@fitchratings.com

Marco Diamantini +49 69 768076 114 marco.diamantini@fitchratings.com



## **Rating Sensitivities**

#### Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

A downgrade of the Canton of Zurich's IDRs would result in a downgrade of ZKB's IDRs and SSR. A material increase in the canton's contingent liabilities, which are dominated by ZKB, could put pressure on ZKB's IDRs and SSR. Contingent liabilities could increase, for instance, because of sustained growth in the bank's balance sheet in excess of the canton's GDP growth, or due to a material delay by the canton in promptly addressing a potential capital shortfall at ZKB.

ZKB's IDRs and SSR are also sensitive to changes to the bank's relationship with the canton, especially if the ZKB Law were amended in a way that would weaken the guarantee's effectiveness or cast doubt on the timeliness of support. However, we view this scenario as unlikely.

The VR is likely to be downgraded if large real estate-related losses, which could arise from a sharp drop in residential property prices in Zurich, led to a CET1 ratio materially below 16%, or an impaired loans ratio durably above 2%. The rating would also come under pressure if profitability deteriorated durably, or if the bank increased its risk appetite, which could be indicated by higher loan growth or by greater exposure to interest-rate risk in the loan book.

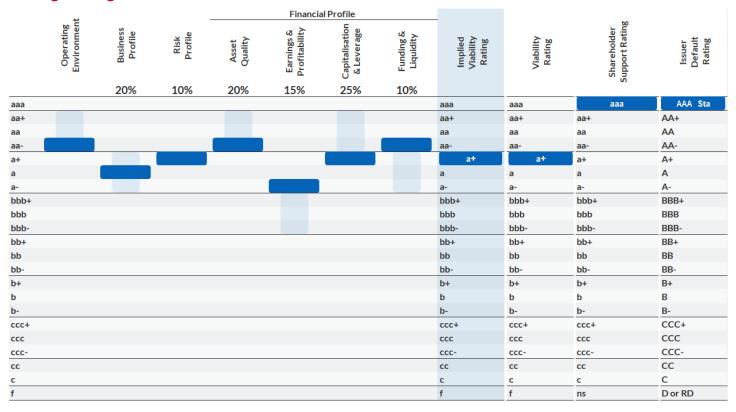
#### Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

The Long-Term IDR is at the highest level on Fitch's scale and cannot be upgraded.

An upgrade of the VR is unlikely given the concentration of ZKB's business model on the Canton of Zurich, resulting in a large exposure to the local property market. An upgrade would also require an improvement in the bank's profitability.



# **Ratings Navigator**



The Key Rating Driver (KRD) weightings used to determine the implied VR are shown as percentages at the top. In cases where the implied VR is adjusted upwards or downwards to arrive at the VR, the KRD associated with the adjustment reason is highlighted in red. The shaded areas indicate the benchmark-implied scores for each KRD.

### **VR - Adjustments to Key Rating Drivers**

The earnings and profitability score of 'a-' has been assigned above the 'bbb' category implied score, due to the following adjustment reason: revenue diversification (positive).

The capitalisation and leverage score of 'a+' has been assigned below the 'aa' category implied score, due to the following adjustment reason: capital flexibility and ordinary support (negative).

The funding and liquidity score of 'aa-' has been assigned above the 'a' category implied score, due to the following adjustment reason: liquidity access and ordinary support (positive).



# **Company Summary and Key Qualitative Factors**

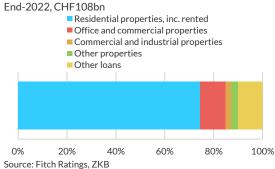
#### **Business Profile**

ZKB is the largest cantonal bank in Switzerland and became the third-largest banking group by assets in the country after UBS Group AG's (A/Stable) acquisition of Credit Suisse Group AG (CS). ZKB's public mandate, set out in the ZKB Law, governs its focus on the Zurich region. The law prescribes the bank's activities, focused on providing full banking services to local households and SMEs, as well as helping the canton's economic and social development by supporting access to residential property. Accordingly, ZKB operates the densest branch network in the Canton of Zurich and has a leading regional franchise, with shares of between 30% and 40% in retail deposits and mortgage lending.

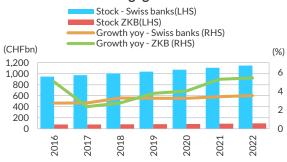
Beyond Zurich, ZKB mostly lends to Swiss SMEs and export-focused companies, but the bank's national-level market shares are modest. ZKB is also the third-largest fund provider in the country and one of the largest asset managers in Switzerland, with CHF335 billion of assets under management at end-2022. The bank's domestic and international private-banking franchise remains niche. Fitch believes that UBS's acquisition of CS offers some growth opportunities for ZKB, particularly in asset management and lending to SMEs.

The bank's cantonal owners maintain good oversight of ZKB's activities, including through board representation, and the bank is ultimately supervised by the canton's parliament. In combination with the ZKB Law, this helps to support the stability of ZKB's business model and strategy, also constraining the bank's ability to expand its business activities. This has delivered a stable through-the-cycle performance record. At the same time, we believe that ZKB's management is independent and not subject to undue political influence.

#### Loan Porfolio Split



### **Swiss Domestic Mortgage Loans**



Source: Fitch Ratings, ZKB, SNB

#### Risk Profile

ZKB's public mandate drives the bank's conservative risk appetite. Fitch considers ZKB's underwriting standards to be low-risk and conservative, to the benefit of its stable and sound loan quality. The bank is proactive in tightening its lending policies based on market changes. ZKB also bases its loan/value calculations on indexed property values, providing an extra buffer in the event of a significant market price correction. ZKB has limited risk appetite for non-recourse commercial real estate lending outside the residential sector.

ZKB pursues organic growth in its investment and asset-management business to further strengthen its income diversification and to reduce the share of net interest income to less than 50% of total operating income. We believe the bank's expertise is sufficiently advanced to cope with volume increases. Although the ZKB Law allows for bank operations outside its home region (subject to not taking any excessive risks or negatively affecting the bank's provision of services locally), we do not expect ZKB to significantly grow its balance sheet outside the canton. Locally it has been growing above market – a trend that we expect to continue.

ZKB's interest-rate risk in the banking book (IRRBB) is in line with that of Swiss peers but above international average, driven by the bank's strategic interest rate position held to hedge the impact of a decline in Swiss franc interest rates on its net interest income. Unrealised losses in its held-to-maturity debt portfolio are low (2% of CET1 capital at end-2022). The bank has been able to manage IRRBB well to date, but an increased appetite for this risk could put the VR under pressure. Trading is client-driven and focuses on foreign exchange (mainly francs to euros), interest-rate and credit derivatives, commodities, and franc- and euro-denominated bonds, as well as other securities.



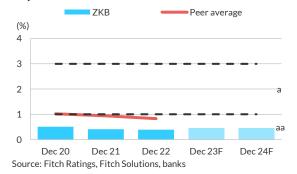
#### **Financial Profile**

#### **Asset Quality**

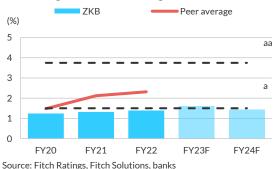
ZKB's main risk stems from its large real-estate exposure in Zurich, with about three-quarters of end-2022 gross customer loans consisting of residential mortgages, including rental properties. Fitch believes this concentration on real estate is adequately mitigated by the Canton of Zurich's strong economic fundamentals and the stability of ZKB's asset-quality metrics. Close to 70% of mortgage loans was to private individuals, with a median loan/value of 47% at end-2022, about two-thirds of which are for owner-occupied homes. Loan quality would therefore be resilient to a significant decline in residential property values, but a severe price correction would put pressure on the VR.

An increase in specific loan impairment charges (LICs) in 2022 was more than compensated by lower expected credit losses, driven by customer preference for variable mortgages with shorter duration. This resulted in LICs for the year amounting to less than a half of their 2021 level. Impaired loans made up 0.4% of gross loans at end-2022. We expect Switzerland's GDP growth to slow in 2023 but unemployment and inflation to fall slightly below their 2022 levels. We therefore expect only a modest increase in LICs in 2023 the impaired loans ratio to remain below 1% in 2023 and 2024.

#### Impaired Loans/Gross Loans



#### Operating Profit/Risk-Weighted Assets



#### **Earnings and Profitability**

ZKB's universal banking model provides good earnings diversification. The bank posted a record profit of CHF1.1 billion in 2022, driven by the return of interest rates into positive territory in combination with above the market average mortgage lending growth. The latter was driven by financing to institutional clients for residential investment properties. Rising policy rates and slow repricing of deposits should sustain margins growth also in 2023.

Net fees and commissions income (NCI) is an important revenue source for ZKB, accounting for more than a third of the bank's revenue. It was stable in 2022 despite negative market performance. We expect the expansion of the bank's investment product offering and more benign markets to support NCI growth in 2023. Trading activities continue to contribute a material, though more volatile, proportion of operating income (15% in 2022) as the bank has well-established franchises in several trading segments and in structured products.

Personnel expenses increased by 6% in 2022 as the number of employees and variable compensation component increased. Other operating expenses also were up (8%), also due to higher marketing and representation costs as well as IT investments. As a result of a higher increase in revenue than in costs, however, the Fitch-calculated cost/income ratio improved marginally to 61% in 2022 (2021: 62%). The bank's management is working on reducing costs, but we believe ZKB's cost base will remain heavier and less flexible than that of many peers given the cantonal mandate, which limits the bank's ability to close branches to reduce headcount.

#### Capital and Leverage

ZKB's CET1 ratio remained strong at 16.8% at end-2022, well above the going-concern capital requirement of 13.8% (including the countercyclical capital buffer). We expect the CET1 ratio to remain broadly unchanged in the next two years and the dividend pay-out ratio to remain below 50% of net profits, in line with ZKB's pre-pandemic distribution levels.

In addition to the dividends, ZKB pays the canton a financial compensation of CHF20 million-CHF30 million a year for its guarantee. The canton's guarantee covers half of ZKB's gone-concern capital requirement, which will be fully phased in at 7.86% of RWAs in 2026, corresponding to CHF6 billion at 2022 RWAs.

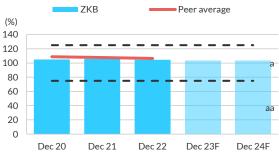
ZKB's undrawn endowment capital of CHF1 billion was reserved entirely for the bank's recovery and resolution planning and, as such, qualifies as gone-concern capital. The remaining gap, which we estimate at around



CHF1.1 billion at end-2026, will be covered with bail-in bonds, which ZKB started issuing in 2023 as detailed regulation governing the issuance of bail-in bonds by cantonal banks has been put in place.







Source: Fitch Ratings, Fitch Solutions, banks

#### **Funding and Liquidity**

ZKB's wholesale funding needs are moderate and diversified and benefit from ordinary support via the bank's cantonal guarantee and investor perception of ZKB as a safe haven. ZKB's funding profile is underpinned by a large and mostly granular deposit base despite some concentrated corporate deposits. Customer deposits account for over half of non-equity funding. The bank's loans/deposits ratio (105% at end-2022, as calculated by Fitch) has improved since its pre-pandemic levels and we expect it to improve further. The less interest-rate sensitive deposits are favourable in terms of funding costs, that are on the rise for ZKB following the interest rate increases.

The speed of repricing has been low, benefitting ZKB's margins, but we expect it to increase as the competition for deposits intensifies and due to potential political pressure to pass-through remuneration to retail clients. Since mid-2021, ZKB has been required to report its net stable funding ratio, which, at 124% at end-2022, comfortably exceeded regulatory requirements.

As a D-SIB, ZKB is subject to a minimum 135% average liquidity coverage ratio requirement. The bank meets this requirement through high-quality liquid assets, which increased to CHF59 billion at end-2022 (end-2019: CHF44 billion), the most significant proportion of which was in the form of the central bank deposits. The liquidity coverage ratio averaged 144% in 1Q23. The Swiss government is imposing stricter liquidity requirements for D-SIBs from 2024, including over a 90-day stress horizon.

#### **Additional Notes on Charts**

The forecasts in the charts in this section reflect Fitch's forward view on the bank's core financial metrics per its *Bank Rating Criteria*. They are based on a combination of Fitch's macro-economic forecasts, outlook at the sector level and company-specific considerations. As a result, Fitch's forecasts may materially differ from the guidance provided by the rated entity to the market

To the extent Fitch is aware of material non-public information with respect to future events, such as planned recapitalisations or merger and acquisition activity, Fitch will not reflect these non-public future events in its published forecasts. However, where relevant, such information is considered by Fitch as part of the rating process.

Black dashed lines represent indicative quantitative ranges and implied scores for Fitch's core financial metrics for banks operating in the environments that Fitch scores in the 'aa' category. Light-blue columns represent Fitch's forecasts.

Peer average includes Basler Kantonalbank (VR: a), Raiffeisen Group (a+), UBS Switzerland AG (a), Swedbank AB (aa-), Santander UK Group Holdings plc (a), Yorkshire Building Society (a-), de Volksbank N.V. (a-).



# **Financials**

### **Financial Statements**

	31 D	ec 22	31 Dec 21	31 Dec 20	31 Dec 19	
	(USDm)	(CHFm)	(CHFm)	(CHFm)	(CHFm	
	Audited - unqualified	Audited - unqualified	Audited - unqualified	Audited - unqualified	•	
Summary income statement						
Net interest and dividend income	1,527	1,421	1,287	1,258	1,210	
Net fees and commissions	995	926	926	806	77	
Other operating income	455	423	371	488	42	
Total operating income	2,978	2,770	2,584	2,552	2,408	
Operating costs	1,820	1,693	1,594	1,665	1,568	
Pre-impairment operating profit	1,158	1,077	990	887	840	
Loan and other impairment charges	19	18	39	39	-(	
Operating profit	1,138	1,059	951	848	84	
Other non-operating items (net)	9	8	0	25	4	
Tax	9	8	9	8		
Net income	1,138	1,059	942	865	845	
Other comprehensive income	n.a.	n.a.	n.a.	n.a.	n.a	
Fitch comprehensive income	1,138	1,059	942	865	84.	
Summary balance sheet						
Assets						
Gross loans	116,110	108,017	102,365	97,120	93,37	
- Of which impaired	457	425	418	500	43	
Loan loss allowances	658	612	627	188	15	
Net loans	115,452	107,405	101,738	96,932	93,21	
Interbank	3,157	2,937	3,173		4,91	
Derivatives	1,279	1,190	1,272	1,593	1,48	
Other securities and earning assets	50,005	46,520	43,645	33,032	29,31	
Total earning assets	169,894	158,052	149,828	134,953	128,93	
Cash and due from banks	43,322	40,302	40,883	52,154	36,78	
Other assets	1,545	1,437	1,394	1,257	1,33	
Total assets	214,760	199,791	192,105	188,364	167,05	
Liabilities						
Customer deposits	111,094	103,351	96,777	92,609	85,08	
Interbank and other short-term funding	53,521	49,791	39,300	39,661	39,05	
Other long-term funding	27,381	25,473	38,608	36,286	23,25	
Trading liabilities and derivatives	6,129	5,702	3,059	5,721	6,20	
Total funding and derivatives	198,126	184,317	177,744	174,277	153,59	
Other liabilities	2,338	2,175	1,687	1,437	1,12	
Preference shares and hybrid capital	n.a.	n.a.	n.a.	n.a.	n.	
Total equity	14,295	13,299	12,674		12,33	
Total liabilities and equity	214,760	199,791	192,105		167,05	
Exchange rate	,	USD1 = CHF0.9303		USD1 = CHF0.88985		



# **Key Ratios**

31 Dec 22	31 Dec 21	31 Dec 20	31 Dec 19
·	<del>,</del>		
1.4	1.3	1.2	1.3
0.9	0.9	0.9	1.0
61.4	62.0	65.6	65.8
8.2	7.5	7.0	7.0
0.4	0.4	0.5	0.5
5.5	5.4	4.0	3.9
144.0	150.0	37.6	36.6
0.0 0.0		0.0	0.0
16.8	17.0	17.4	17.7
6.7	6.6	6.7	7.3
6.2	6.2	6.2	6.6
-1.5	-1.7	2.6	2.4
104.5	105.8	104.9	109.7
146.0	160.0	160.0	123.0
56.7	54.8	53.4	55.9
124.0	118.0	n.a.	n.a.
	1.4 0.9 61.4 8.2 0.4 5.5 144.0 0.0 16.8 6.7 6.2 -1.5 104.5 146.0 56.7	1.4 1.3 0.9 0.9 61.4 62.0 8.2 7.5  0.4 0.4 5.5 5.4 144.0 150.0 0.0 0.0  16.8 17.0 6.7 6.6 6.2 6.2 -1.5 -1.7  104.5 105.8 146.0 160.0 56.7 54.8	1.4       1.3       1.2         0.9       0.9       0.9         61.4       62.0       65.6         8.2       7.5       7.0         0.4       0.4       0.5         5.5       5.4       4.0         144.0       150.0       37.6         0.0       0.0       0.0         16.8       17.0       17.4         6.7       6.6       6.7         6.2       6.2       6.2         -1.5       -1.7       2.6         104.5       105.8       104.9         146.0       160.0       160.0         56.7       54.8       53.4



### **Support Assessment**

Shareholder Support					
Parent IDR	AAA				
Total Adjustments (notches)	0				
Shareholder Support Rating	aaa				
Shareholder ability to support					
Shareholder Rating	AAA/ Stable				
Shareholder regulation	Equalised				
Relative size	1 Notch				
Country risks	Equalised				
Shareholder propensity to support					
Role in group	Equalised				
Reputational risk	Equalised				
Integration	1 Notch				
Support record	Equalised				
Subsidiary performance and prospects	Equalised				
Legal commitments	Equalised				
The colours indicate the weighting of each KRD in the assessment.  Higher influence Moderate influence Lower influence					

ZKB's SSR is based on support from the Canton of Zurich, the bank's guarantor and sole owner, and is equalised with the canton's IDRs. The canton guarantees all of ZKB's non-subordinated liabilities according to the ZKB Law. ZKB's balance sheet is large relative to the canton's budgetary resources, but Fitch believes the bank's stable and resilient business model, funding and capital buffers would mean manageable recapitalisation or liquidity support needs in a realistic stress scenario.

The canton's guarantee does not explicitly address the timeliness of support, but Fitch believes that support, if necessary, would be provided in a timely fashion, given ZKB's high importance for the canton and the potential repercussions of a failure for the Swiss financial sector.

ZKB's strategic importance is underpinned by the bank's mandate to provide financial services to individuals and companies in the canton. The bank's nationwide and international activities are limited. The Canton of Zurich's constitution also requires the canton to have a cantonal bank, making the institutional owner more likely to support the bank in financial distress.

As a D-SIB, ZKB has a Swiss emergency plan, to be approved by FINMA. The plan requires the canton to commit a large volume of contingent capital relative to its own resources. We believe that the provision of this contingent capital, if needed, would be manageable for the canton given its strong financial position, and would not on its own drive a negative action on the canton's ratings, or trigger a reassessment of our support assumptions underpinning ZKB's IDRs.



# **Environmental, Social and Governance Considerations**

FitchRatings		Zuercher Kantonalban	k							Bank atings Navigato	
Credit-Relevant ESG Derivation	n									edit Rating	
	has expo	osure to compliance risks including fair lending practices, mis-se	elling, repossession/foreclosure practices, consumer data protection	key	driver	0	issue	es	5		
(data security) but this h Governance is minimally		ow impact on the rating. t to the rating and is not currently a driver.		driver		0	issue	es	4		
				potent	al driver 5 issues			es	3		
				not a ra	ting driver	4	issue	es	2		
							issue	es	1		
Environmental (E) Relevance S General Issues	Scores E Score	e Sector-Specific Issues	Reference	F Rel	evance						
GHG Emissions & Air Quality		n.a.	n.a.	5		ESG rele	. Red (5) is n	range fro		ed on a 15-level col lit rating and green (	
Energy Management	1	n.a.	n.a.	4		The Env break ou that are r	ironmental ( t the ESG g nost relevant	eneral iss to each in	ues and the dustry group.	vernance (G) table sector-specific issu Relevance scores a	
Nater & Wastewater Management	1	n.a.	n.a.	3		relevance rating. The which the	e of the sector ne Criteria Re e correspondi	r-specific ference o ng ESG is	issues to the olumn highlight ssues are cap	signaling the cred issuer's overall creates the factor(s) with stured in Fitch's creations of the frequen-	
Waste & Hazardous Materials Management; Ecological Impacts	1	n.a.	n.a.	2		of occurr not repre ESG crea	ence of the h sent an aggi dit relevance.	ighest cor egate of	nstituent relev the relevance	ance scores. They of scores or aggregation	
Exposure to Environmental Impacts	2	Impact of extreme weather events on assets and/or operations and corresponding risk appetite & management; catastrophe risk; credit concentrations	Business Profile (incl. Management & governance); Risk Profile; Asset Quality	1		The Credit-Relevant ESG Derivation table's far right column visualization of the frequency of occurrence of the highest relevance scores across the combined E, S and G categories. three columns to the left of ESG Relevance to Credit R summarize rating relevance and impact to credit from ESG iss				of the highest ES and G categories. The ace to Credit Ratio	
Social (S) Relevance Scores						The box issues the	on the far le	eft identifiers or pote	es any ESG ential drivers	Relevance Sub-factor of the issuer's cree and provides a br	
General Issues	S Score	e Sector-Specific Issues	Reference	S Rel	evance	explanati	on for the re	levance s	score. All sco	res of '4' and '5' a	
Human Rights, Community Relations, Access & Affordability	2	Services for underbanked and underserved communities: SME and community development programs; financial literacy programs	Business Profile (incl. Management & governance); Risk Profile	5		sign for p		ct.h score:	ive impact unless indicated with a res of 3, 4 or 5) and provides a br		
Customer Welfare - Fair Messaging, Privacy & Data Security	3	Compliance risks including fair lending practices, mis-selling, repossession/foreclosure practices, consumer data protection (data security)	Operating Environment; Business Profile (incl. Management & governance); Risk Profile	4		Classification of ESG issues has been developed fron sector ratings criteria. The General Issues and Sector Issues draw on the classification standards published by th Nations Principles for Responsible Investing (PR), the Sust Accounting Standards Board (SASB), and the World Bank.				and Sector-Spec ublished by the Unit PRI), the Sustainabi	
abor Relations & Practices	2	Impact of labor negotiations, including board/employee compensation and composition	Business Profile (incl. Management & governance)	3							
Employee Wellbeing	1	n.a.	n.a.	2							
Exposure to Social Impacts	2	Shift in social or consumer preferences as a result of an institution's social positions, or social and/or political disapproval of core banking practices	Business Profile (incl. Management & governance); Financial Profile	1							
Governance (G) Relevance Sco	ores				· <u> </u>		CREDI	T-RELE\	/ANT ESG S	CALE	
General Issues	G Score	e Sector-Specific Issues	Reference	G Rel	evance	1			S and G issued is Supposed in State of	ues to the	
Management Strategy	3	Operational implementation of strategy	Business Profile (incl. Management & governance)	5		5	H	ighly releva	ant, a key rating npact on the rat alent to "higher	driver that has a ing on an individual relative importance	
Governance Structure	3	Board independence and effectiveness; ownership concentration; protection of creditor/stakeholder rights; legal /compliance risks; business continuity; key person risk; related party transactions	Business Profile (incl. Management & governance); Earnings & Profitability; Capitalisation & Leverage	4		4	a fa	n impact or ictors. Equi	rating, not a key in the rating in c ivalent to "mode within Navigator		
Group Structure	3	Organizational structure; appropriateness relative to business model; opacity; intra-group dynamics; ownership	Business Profile (incl. Management & governance)	3		3	o	r actively m	anaged in a wa	either very low impac by that results in no Equivalent to "lower" avigator.	
Financial Transparency	3	Quality and frequency of financial reporting and auditing processes	Business Profile (incl. Management & governance)	2		2		relevant to ector.	the entity rating	but relevant to the	
				1		1	Ir	relevant to	the entity rating	and irrelevant to the	

Unless otherwise disclosed in this section, the highest level of ESG credit relevance is a score of '3'. This means ESG issues are credit neutral or have only a minimal credit impact on the entity, either due to their nature or the way in which they are being managed by the entity. For more information on Fitch's ESG Relevance Scores, visit www.fitchratings.com/esg.



#### **SOLICITATION & PARTICIPATION STATUS**

For information on the solicitation status of the ratings included within this report, please refer to the solicitation status shown in the relevant entity's summary page of the Fitch Ratings website.

For information on the participation status in the rating process of an issuer listed in this report, please refer to the most recent rating action commentary for the relevant issuer, available on the Fitch Ratings website.

#### **DISCLAIMER & DISCLOSURES**

All Fitch Ratings (Fitch) credit ratings are subject to certain limitations and disclaimers. Please read these limitations and disclaimers by following this link: <a href="https://www.fitchratings.com/understandingcreditratings">https://www.fitchratings.com/rating-definitions-document</a> details Fitch's rating definitions for each rating scale and rating categories, including definitions relating to default. Published ratings, criteria, and methodologies are available from this site at all times. Fitch's code of conduct, confidentiality, conflicts of interest, affiliate firewall, compliance, and other relevant policies and procedures are also available from the Code of Conduct section of this site. Directors and shareholders' relevant interests are available at <a href="https://www.fitchratings.com/site/regulatory">https://www.fitchratings.com/site/regulatory</a>. Fitch may have provided another permissible or ancillary service to the rated entity or its related third parties. Details of permissible or ancillary service(s) for which the lead analyst is based in an ESMA- or FCA-registered Fitch Ratings company (or branch of such a company) can be found on the entity summary page for this issuer on the Fitch Ratings website.

In issuing and maintaining its ratings and in making other reports (including forecast information), Fitch relies on factual information it receives from issuers and underwriters and from other sources Fitch believes to be credible. Fitch conducts a reasonable investigation of the factual information relied upon by it in accordance with its ratings methodology, and obtains reasonable verification for that information from independent sources, to the extent such sources are available for a given security or in a given jurisdiction. The manner of Fitch's factual investigation and the scope of the third-party verification it obtains will vary depending on the nature of the rated security and its issuer, the requirements and practices in the jurisdiction in which the rated security is offered and sold and/or the issuer is located, the availability and nature of relevant public information, access to the management of the issuer and its advisers, the availability of pre-existing third-party verifications such as audit reports, agreed-upon procedures letters, appraisals, actuarial reports, engineering reports, legal opinions and other reports provided by third parties, the availability of independent and competent third-party verification sources with respect to the particular security or in the particular jurisdiction of the issuer, and a variety of other factors. Users of Fitch's ratings and reports should understand that neither an enhanced factual investigation nor any third-party verification can ensure that all of the information fitch relies on in connection with a rating or a report will be accurate and complete. Ultimately, the issuer and its advisers are responsible for the accuracy of the information they provide to Fitch and to the market in offering documents and other reports. In issuing its ratings and its reports, Fitch must rely on the work of experts, including independent auditors with respect to financial statements and attorneys with respect to legal and tax matters. Further, ratings and forecast

The information in this report is provided "as is" without any representation or warranty of any kind, and Fitch does not represent or warrant that the report or any of its contents will meet any of the requirements of a recipient of the report. A Fitch rating is an opinion as to the creditworthiness of a security. This opinion and reports made by Fitch and no individual, or group of individuals, is solely responsible for a rating or a report. The rating does not address the risk of loss due to risks other than credit risk, unless such risk is specifically mentioned. Fitch is not engaged in the offer or sale of any security. All Fitch reports have shared authorship. Individuals identified in a Fitch report were involved in, but are not solely responsible for, the opinions stated therein. The individuals are named for contact purposes only. A report providing a Fitch rating is neither a prospectus nor a substitute for the information assembled, verified and presented to investors by the issuer and its agents in connection with the sale of the securities. Ratings may be changed or withdrawn at any time for any reason in the sole discretion of Fitch. Fitch does not provide investment advice of any sort. Ratings are not a recommendation to buy, sell, or hold any security. Ratings do not comment on the adequacy of market price, the suitability of any security for a particular investor, or the tax-exempt nature or taxability vary from US\$1,000 to US\$750,000 (or the applicable currency equivalent) per issue. In certain cases, Fitch will rate all or a number of issues issued by a particular insurer or guarantor, for a single annual fee. Such fees are expected to vary from US\$1,000 to US\$1,500,000 (or the applicable currency equivalent). The assignment, publication, or dissemination of a rating by Fitch shall not constitute a consent by Fitch to use its name as an expert in connection with any registration statement filed under the United States securities laws, the Financial Services and Markets Act of 2000 of the Unit

For Australia, New Zealand, Taiwan and South Korea only: Fitch Australia Pty Ltd holds an Australian financial services license (AFS license no. 337123) which authorizes it to provide credit ratings to wholesale clients only. Credit ratings information published by Fitch is not intended to be used by persons who are retail clients within the meaning of the Corporations Act 2001.

Fitch Ratings, Inc. is registered with the U.S. Securities and Exchange Commission as a Nationally Recognized Statistical Rating Organization (the "NRSRO"). While certain of the NRSRO's credit rating subsidiaries are listed on Item 3 of Form NRSRO and as such are authorized to issue credit ratings on behalf of the NRSRO (see https://www.fitchratings.com/site/regulatory), other credit rating subsidiaries are not listed on Form NRSRO (the "non-NRSROs") and therefore credit ratings issued by those subsidiaries are not issued on behalf of the NRSRO. However, non-NRSRO personnel may participate in determining credit ratings issued by or on behalf of the NRSRO.

Copyright © 2023 by Fitch Ratings, Inc., Fitch Ratings Ltd. and its subsidiaries. 33 Whitehall Street, NY, NY 10004. Telephone: 1-800-753-4824, (212) 908-0500. Fax: (212) 480-4435. Reproduction or retransmission in whole or in part is prohibited except by permission. All rights reserved.