

### **CREDIT OPINION**

17 August 2021

# **Update**



Rate this Research

#### **RATINGS**

#### Landesbank Hessen-Thueringen GZ

Domicile	Frankfurt am Main, Germany
Long Term CRR	Aa3
Туре	LT Counterparty Risk Rating - Fgn Curr
Outlook	Not Assigned
Long Term Debt	Aa3
Туре	Senior Unsecured - Dom Curr
Outlook	Stable
Long Term Deposit	Aa3
Туре	LT Bank Deposits - Fgn Curr
Outlook	Stable

Please see the <u>ratings section</u> at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

#### Contacts

Goetz Thurm, CFA +49.69.70730.773

VP-Senior Analyst
goetz.thurm@moodys.com

Alexander Hendricks, +49.69.70730.779
CFA

Associate Managing Director alexander.hendricks@moodys.com

Carola Schuler +49.69.70730.766
MD-Banking
carola.schuler@moodys.com

» Contacts continued on last page

# Landesbank Hessen-Thueringen GZ

Update to credit analysis

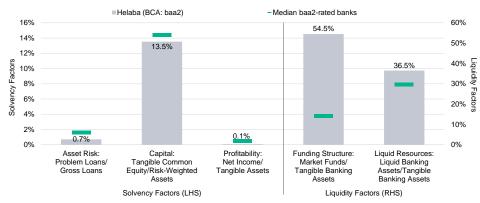
# Summary

We assign Aa3(stable)/P-1 deposit ratings, Aa3(stable) senior unsecured and A2 junior senior unsecured ratings to <u>Landesbank Hessen-Thueringen GZ</u> (Helaba). We further assign a baa2 Baseline Credit Assessment (BCA), a baa1 Adjusted BCA, and Aa3/P-1 Counterparty Risk Ratings (CRRs).

Helaba's deposit and senior unsecured debt ratings reflect its baa2 BCA, one notch rating uplift from its membership in the institutional protection scheme of <u>Sparkassen-Finanzgruppe</u> (S-Finanzgruppe, Aa2 negative, a2¹), the application of our Advanced Loss Given Failure (LGF) analysis to its liabilities, which results in an extremely low loss-given-failure and three notches of uplift, and one notch uplift from government support, given its membership in systemically relevant S-Finanzgruppe.

The baa2 BCA reflects Helaba's sound capitalisation and solid asset quality; while the bank's loan book contains sizeable commercial real estate (CRE) concentration risks, Helaba's CRE portfolio has a sound history of low credit losses compared with its peers and through a full credit cycle. More constraining factors are the bank's high leverage, modest profitability, and a funding structure that relies on significant market funding access, which, however, is partially balanced by stable funding from the savings bank sector and comfortable liquid resources.

Exhibit 1
Rating Scorecard - Key financial ratios



Source: Moody's Financial Metrics

# **Credit strengths**

- » Sound underwriting standards, with an established track record
- » Sound capitalisation, which continues to provide Helaba with sufficient headroom to withstand adverse economic developments
- » Good access to sector funds, which support its liquidity

# **Credit challenges**

- » High sector concentration in the cyclical CRE business, which remains a tail risk for asset quality
- » Subdued profitability, which provides a limited buffer in case of adverse developments
- » Dependence on confidence-sensitive market funding, which remains significant despite its access to sector funds

#### Outlook

The stable outlook reflecting our expectation of a broadly unchanged financial profile and liability structure.

# Factors that could lead to an upgrade

- » An upgrade of Helaba's ratings would be likely in the event of an upgrade of the bank's BCA. Because Helaba's senior unsecured and deposit ratings already benefit from the highest possible rating uplift of three notches, there is no upgrade potential from our Advanced LGF analysis.
- » Upward pressure on Helaba's BCA could arise from a sustainably improved Macro Profile and the combination of a significant reduction of the bank's concentration risk, specifically with regard to CRE exposures; a meaningful and sustained improvement in capitalisation, higher profitability and a clear further reduction in Helaba's dependence on market funding.

# Factors that could lead to a downgrade

- » A downgrade of Helaba's ratings could be triggered by a very significant weakening of its intrinsic strength, resulting in a multinotch downgrade of the bank's BCA; a joint weakening in the financial strength of Helaba and S-Finanzgruppe; a reduction in our cross-sector support assumption; or if the volume of subordinated or other debt instruments that are designed to be loss-absorbing in resolution decreases substantially and beyond our expectations, compared with the bank's tangible banking assets.
- » Downward pressure on the bank's BCA could arise because of a deterioration in the bank's financial strength, especially if followed by an unexpected and sustained weakening in its capital adequacy metrics; a material deterioration in the bank's asset quality; or a significant decline in the bank's liquidity reserves, combined with higher dependence on market funding.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on www.moodys.com for the most updated credit rating action information and rating history.

# **Key indicators**

Exhibit 2

Landesbank Hessen-Thueringen GZ (Consolidated Financials) [1]

-	12-20 <sup>2</sup>	12-19 <sup>2</sup>	12-18 <sup>2</sup>	12-17 <sup>2</sup>	12-16 <sup>2</sup>	CAGR/Avg. <sup>3</sup>
Total Assets (EUR Billion)	194.0	185.2	152.4	146.9	149.9	6.74
Total Assets (USD Billion)	237.3	207.9	174.3	176.3	158.1	10.74
Tangible Common Equity (EUR Billion)	8.2	8.1	8.0	7.8	7.5	2.24
Tangible Common Equity (USD Billion)	10.0	9.1	9.1	9.4	7.9	6.1 <sup>4</sup>
Problem Loans / Gross Loans (%)	0.7	0.5	0.6	0.8	1.3	0.85
Tangible Common Equity / Risk Weighted Assets (%)	13.5	13.6	14.7	15.6	14.2	14.3 <sup>6</sup>
Problem Loans / (Tangible Common Equity + Loan Loss Reserve) (%)	8.4	5.8	7.2	8.0	14.2	8.7 <sup>5</sup>
Net Interest Margin (%)	0.6	0.7	0.7	0.7	0.8	0.75
PPI / Average RWA (%)	0.8	1.0	0.7	1.0	1.5	1.0 <sup>6</sup>
Net Income / Tangible Assets (%)	0.1	0.2	0.2	0.2	0.2	0.25
Cost / Income Ratio (%)	75.7	73.1	80.6	72.6	64.8	73.3 <sup>5</sup>
Market Funds / Tangible Banking Assets (%)	54.5	53.2	52.7	51.9	53.1	53.1 <sup>5</sup>
Liquid Banking Assets / Tangible Banking Assets (%)	36.5	33.5	32.2	34.0	34.7	34.2 <sup>5</sup>
Gross Loans / Due to Customers (%)	179.3	189.1	202.5	189.6	193.4	190.8 <sup>5</sup>

<sup>[-]</sup> Further to the publication of our revised methodology in July 2021, for issuers that have "high trigger" additional Tier 1 instruments outstanding, not all ratios included in this report reflect the change in treatment of these instruments. [1] All figures and ratios are adjusted using Moody's standard adjustments. [2] Basel III - fully loaded or transitional phase-in; IFRS. [3] May include rounding differences because of the scale of reported amounts. [4] Compound annual growth rate (%) based on the periods for the latest accounting regime. [5] Simple average of periods for the latest accounting regime. [6] Simple average of Basel III periods.

Sources: Moody's Investors Service and company filings

#### **Profile**

Helaba is a German universal bank, with a regional focus on the German federal states of Hesse, Thuringia, North Rhine-Westphalia, and Brandenburg. The bank operates as a central institution for the savings banks in the aforementioned four federal states and, thus, covers around 40% of all savings banks in Germany. As of 30 June 2021, the bank reported total consolidated assets of €217 billion and employed about 6,200 staff.

In addition to its role for the regional savings banks, Helaba provides a range of wholesale and retail banking services to corporate and private clients, institutional customers, and central, regional and local public authorities, as well as municipal corporations. The bank distributes its products and services from its twin head offices in Frankfurt am Main and Erfurt; its branch offices in Germany, France, Sweden, the UK and the US; and its representative offices in Brasil, Spain, Russia, China and Singapore. In Switzerland (Zurich), Helaba is represented through its subsidiary Frankfurter Bankgesellschaft (Schweiz) AG.

In May 2019, Helaba announced that it had completed the purchase of Dexia Kommunalbank Deutschland from the French-Belgian winddown bank Dexia Crédit Local for a total consideration of €352 million, which increased Helaba's total assets by €26 billion². At the same time, Helaba also closed a deal to acquire a €1 billion land transport finance portfolio from DVB Bank SE, which increased Helaba's total rolling stock portfolio to €2 billion³.

For further details, please refer to Helaba's <u>Issuer Profile</u> and our <u>German Banking System Profile</u>.

#### Weighted Macro Profile of Strong (+)

As of 31 December 2020, about two-thirds of Helaba's lending exposures derived from Germany, which has a <u>Strong (+) Macro Profile</u> assigned, while other European countries (Macro Profile of Strong) represented about a quarter of the loan book and North America (Very Strong (-)) accounted for 9%. The weighted average of these lending exposures resulted in a Strong (+) Weighted Macro Profile for Helaba.

# **Recent developments**

All the G-20 countries sustained severe output losses in 2020, but the contraction in some economies was sharper than in others. The European Central Bank (ECB) introduced a series of measures to help the European Union (EU) economies weather the widening effects of the pandemic. As part of these temporary measures, the ECB increased its targeted longer-term refinancing operations (TLTRO III) under more favourable terms, as well as its financial asset purchase programme, while refraining from lowering the ultralow interest rates further.

The Government of Germany (Aaa stable) launched a large stimulus package, and its support has been crucial for corporate borrowers in industries immediately hurt by the pandemic, such as the airlines, tourism, retail and shipping sectors, as well as smaller companies experiencing weak liquidity and high leverage. The scale of the support package was unprecedented and far larger than the support provided during the 2008-09 financial crisis. At the same time, the government made it easier to access its furlough scheme and extended it to a broader pool of workers, which has limited the spike in unemployment and the fall in domestic consumption. The measures, which were adapted to the evolution of the economic effects of the pandemic, added to Germany's already expansionary fiscal policy stance, as well as to the automatic stabilisers that support household incomes when unemployment increases.

#### **Detailed credit considerations**

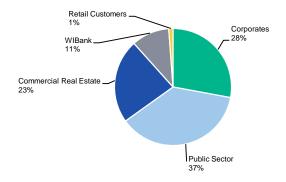
#### Sound risk management partially mitigates the bank's high exposure to cyclical CRE risks

We assign a baa1 Asset Risk score, five notches below the aa2 initial score, taking into account the bank's total loan exposure to the cyclical CRE sector. Furthermore, we consider the bank's exposure to market risk as a driver for the adjustment.

Helaba's commercial real estate (CRE) exposures remain a key driver for Helaba's asset risk, amounting to €34.6 billion in terms of loans and advances and €36.1 billion in terms of business volume as of 31 December 2020 (€37.5 billion as of 30 June 2021), resulting in considerable concentration risk, especially compared with the group's reported Common Equity Tier 1 (CET1) capital of €8.9 billion. As of 30 June 2021, office space exposure dominated the portfolio with a share of 46% of business volume, followed by residential buildings (21%), retail and shopping centres (20%), logistics properties (5%), and other categories (8%). In terms of geography, only 41% of exposures derived from Germany, followed by North America (23%) the UK and France (18% in total), and other European countries (18%). Despite the bank's sizeable concentration risks, Helaba's CRE portfolio has a sound history of low credit losses compared with those of its peers. This is due to Helaba's focus on prime locations and properties with a high level of prearranged rental agreements, combined with limited ticket sizes, which provide risk diversification.

The bank's other main credit risk stems from its well diversified corporate and asset finance book, which amounted to €46.9 billion in terms of business volume as of 30 June 2021, of which corporate loans and lease finance represented 38%, asset backed finance 18%, project finance 17%, structured trade and export finance 9%, acquisition finance 5%, aviation 6%, and land transport 6%. In terms of geography, 54% of exposures were sourced from Germany, 35% from other European countries (10% from the UK), 9% from North America, and 2% from other countries.

Exhibit 3 Helaba's customer loan book exhibits some significant sector concentrations Customer loan book breakdown as of 30 June 2021



Source: Company reports, Moody's Investors Service

Problem Loans / Gross Loans Coverage ratio (right axis) 1.6% 80% 1.4% 70% 1.2% 60% 1.0% 50% 0.8% 40% 0.6% 30% 0.4% 20% 0.2% 10% 0.0% 0% 2018 2019 2020 2016 2017

Exhibit 4
Helaba's problem loan ratio has ticked up somewhat in 2020 due to the pandemic

Problem loan ratio in accordance with Moody's definition. Sources: Company reports, Moody's Investors Service

Helaba reported a problem loan ratio of 0.70% as of 31 December 2020, a moderate deterioration from the 0.47% as of year-end 2019, reflecting the headwinds of the coronavirus crisis. The takeover of Dexia Kommunalbank in 2019 has not to materially changed the asset-risk profile of Helaba, but the consequent increase of credit volume to public sector entities to €50.0 billion from €33.3 billion during 2019 and a further increase to €61.8 billion in 2020 has added a significant yet low-risk sector concentration. In addition, given its role as a central institution for a large part of the German savings banks, the bank continues to run a significant derivatives book, mainly driven by the hedging needs for savings banks, the former Dexia Kommunalbank's portfolio, but also offering capital market services to its corporate customers. The potential swings in the related derivative replacement values are reflected in our adjustment.

#### Capitalisation continues to provide a solid loss-absorption buffer

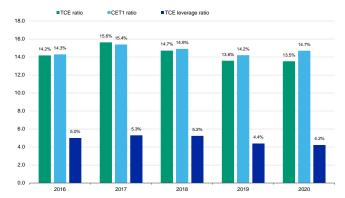
We position our Capital score at a3, one notch below the a2 initial score, driven by leverage and reflecting our longer-term expectation regarding the potential negative impact of the upcoming regulatory changes related to the implementation of Basel IV.

During the first half of 2020, Helaba's leverage exposure increased by 10% to €226 billion from €205 billion, mainly because of the bank's participation in the ECB's targeted long-term refinancing operations III (TLTRO III), drawdowns of committed credit lines by corporate customers, and higher replacement values of derivatives, reflecting the widening of credit spreads during the market turmoil caused by the pandemic. In the second half of 2020, however, the bank's leverage exposure reduced again to €196 billion, reflecting a decline in derivative replacement values, but mostly the exclusion of cash positions held at the ECB from the calculation of the leverage exposure. As a result, the bank's regulatory leverage ratio dropped to 4.0% as of 30 June 2020 from 4.5% as of year-end 2019, but then recovered to 4.8% as of year-end 2020 (4.9% as of 30 June 2021). Our leverage measure, on the other hand, which is based on Tangible Common Equity (TCE) to tangible assets and therefore includes central bank cash holdings, reduced to 4.2% from 4.7% during 2020. Since TCE leverage remains well below our 5% baseline expectation, we continue to deduct one notch for leverage from the initial Capital score when positioning the assigned score.

With Helaba having reported a net loss in the first half of 2020 and a 6% increase in risk-weighted assets (RWAs) on the back of the bank's balance sheet expansion, the regulatory capital ratios were also strained with a Common Equity Tier 1 (CET1) ratio decline to 13.3% as of 30 June 2020 from 14.2% as of year-end 2019. In the second half of 2020, the bank's CET1 ratio rose again to 14.7%, reflecting a 4.3% reduction in RWAs and a 5.3% increase in CET1 capital as profitability recovered during the period. In the first half of 2021, the CET1 ratio dropped again to 14.0% due to RWA growth, but it remains comfortably above the regulatory minimum requirement, which stands at 8.75%.

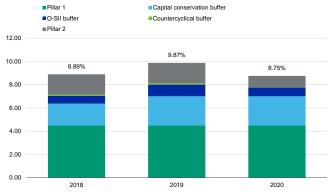
Our measure of risk-based capital based on TCE to RWA fell to 12.7% from 13.6% during the first half of 2020, but recovered again to 13.5% as of year-end 2020<sup>4</sup>. While our measure of leverage should improve again somewhat, with excess liquidity being potentially reined in again and the acquired public-sector portfolio from Dexia Kommunalbank being run-down over time, we expect that the bank's risk-based capital metrics will stay broadly stable in the future. This reflects the bank's limited capital generation capacity even

Exhibit 5
Helaba's solid levels of capital



TCE = Tangible common equity (Moody's calculation), CET1 = Common Equity Tier 1 Sources: Company reports, Moody's Investors Service

Exhibit 6
Helaba's CET1 capital requirements in detail



Source: Company reports

in a benign credit environment, but also the potential negative effects stemming from the implementation of Basel IV, which could - among other effects - result in a material increase in credit risk RWAs given Helaba's sizeable CRE exposures.

#### Profitability will remain subdued

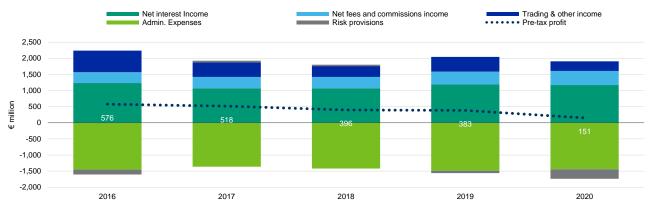
We assign a b2 Profitability score, one notch above the b3 initial score, reflecting Helaba's likely earnings run rate in the next 2-3 years.

Central bank measures aimed at mitigating the economic impact of the coronavirus crisis have exacerbated the profitability pressure that many European banks are under, which has been partially offset, though, by the funding cost advantage TLTRO III has conferred to banks. In this context, Helaba's performance metrics will likely remain modest, as the low-yield environment will continue to weigh on the bank's interest income and the benefits of TLTRO III will wear off. While Helaba has partially reduced its dependence on net interest income via a higher share of net fee and commission income over time, potentially higher loan-loss provisions, a relatively sticky cost base, and volatile capital market results will likely challenge the bank's efforts to improve its profitability materially. A high-level strategic project ("Scope"), while aiming at the improvement of organisational efficiency and cost containment, has led to restructuring costs in the short term. Meanwhile, investment needs into digitisation / IT systems remain challenges.

During the first half of 2020, Helaba reported a pretax loss of €274 million due to €151 million in loan loss provisions, a €170 million trading loss, and a €133 million loss from hedge accounting. However, as financial markets recovered, volatility reduced, and government support programmes in Germany and elsewhere stabilised the real economy in the second half of the year, Helaba was able to record a Moody's adjusted pretax profit of €151 million for the full-year 2020 (2019: 383 million). The result included €296 million of loan loss provisions (mainly IFRS 9 Stage 2 provisions), while net interest income of €1,172 million and net fee and commission income of €435 million remained resilient, the trading result broke even, and operating costs of €1,442 million declined by 3% year-over-year.

In the first half of 2021, Helaba reported a pretax profit of €293 million, which incorporated a €45 million year-over-year growth in net interest income to €643 million, bolstered by TLTRO III tender rewards, €12 million higher net fee and commission income of €223 million on the back of an expansion of the bank's asset management activities, and a €186 million fair value and trading result, reflecting lower risk premia across all asset classes, as well as increased demand for capital market products. The bank's operating cost base remained stable at €782 million, with gains from the bank's Scope cost-cutting project being offset by higher personnel expenses due to strategic growth projects at certain subsidiaries, as well as by higher contributions to the Single Resolution Fund. Loan loss provisions, meanwhile, reached €142 million in the period and included €37 million of Stage 3 provisions, a €79 million management adjustment, and a €21 million reversal of provisions built in 2020 on the basis of an improved macroeconomic outlook.

Exhibit 7
Helaba's earnings have dipped in 2020
Weak fair value results and provisioning drove profits lower



Sources: Company reports, Moody's Investors Service

### Funding from savings banks mitigates wholesale funding dependence

Our ba2 assigned Funding Structure score stands four notches above the b3 initial score, driven by good access to sector funding, reducing reliance on confidence-sensitive funding sources. A significant portion of Helaba's issued unsecured wholesale debt has been placed with savings banks and their retail clients.

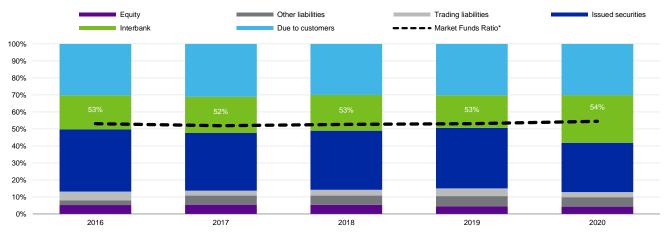
Helaba depends on confidence-sensitive wholesale funding for a part of its lending business and is a net borrower in the interbank market. The bank's proven and recurring access to excess liquidity of the regional savings banks and good access to debt capital markets, even in times of stress, are balancing factors. As of 31 December 2020, the bank's refinancing structure consisted of (1) €54.4 billion of due to financial institutions, which increased materially from the €35.6 billion reported as of year-end 2019, mainly due to the bank's €17.4 billion participation in the TLTRO III, which will be repaid over three years; (2) €58.4 billion of due to customers; (3) €51.8 billion of securitised liabilities, which included €21.8 billion of covered bonds; 4) €4.2 billion of money market instruments; 5) €16.4 billion of trading, derivative, and other liabilities; and 6) €8.5 billion of shareholders' equity.

Helaba typically issues €13 billion to €18 billion in medium- and long-term debt instruments to a broad and diversified investor base per year, of which covered bonds usually account for about a third. In 2020, however, only €5.1 billion of medium- and long-term

Exhibit 8

Helaba's mixed dependence on savings banks and wholesale market funding

Composition of market funding sources



\*Market funds ratio = market funds/tangible banking assets. Sources: Company reports, Moody's Investors Service

funding was sourced in the financial markets given the bank's participation in the TLTRO III, while we expect that volumes in 2021 might also drop somewhat below the usual issuance range given some further TLTRO III drawings (€5.8 billion of medium- and long-term funding was issued by the bank in the first half of 2021). In the longer-term, however, the bank will likely return to its usual issuance levels, given the bank's aim to broadly match-fund its medium- and long-term lending business.

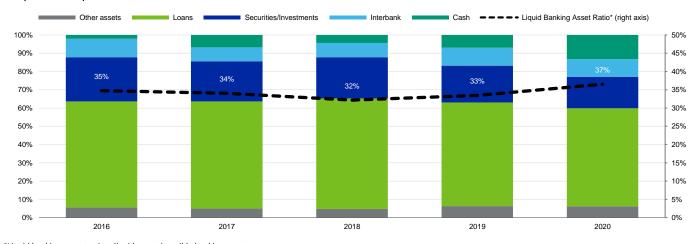
#### Strong liquidity could be further bolstered by covered bond issuance

The assigned a3 Liquid Resources score is two notches below the a1 initial score, which reflects our consideration of asset encumbrance, intragroup restrictions and the quality of liquid assets.

The bank's strong liquid resources as of 31 December 2020 consisted of (1) €25.7 billion in cash, which was up significantly from the €13.0 billion as of year-end 2019, reflecting higher liquidity balances Helaba built up by participating in the TLTRO III and through other measures in order to safeguard its liquidity during the coronavirus crisis and generate carry income; (2) €18.7 billion of interbank loans; (3) a €20.9 billion securities portfolio; and (4) €5.4 billion in liquid trading assets (excluding derivatives). Given the close link with the savings bank sector, we regard intragroup exposures to the sector as being non-liquid and further take into account Helaba's encumbered liquid assets in our evaluation.

Conversely, additional liquidity could be generated at short notice through the issuance of retained covered bonds that can serve as collateral for additional central bank funding. As of 30 June 2021, Helaba reported an outstanding nominal volume of €9.9 billion and €28.7 billion for its mortgage and <u>public sector covered bond programmes</u>, respectively, against cover pool volumes of €16.8 billion and €32.6 billion. The resulting overcollateralisation of 69.0% and 13.7% give Helaba ample leeway to generate fresh liquidity through covered bond issuance.

Exhibit 9
Helaba's substantial amounts of liquid resources
Composition of liquid assets



\*Liquid banking assets ratio = liquid assets/tangible banking assets. Sources: Company reports, Moody's Investors Service

### **Environmental, social and governance considerations**

In line with our general view on the banking sector, Helaba has a low exposure to environmental risks (see our <u>environmental heat</u> map<sup>5</sup> for further information).

For social risks, we also place Helaba in line with our general view for the banking sector, which indicates a moderate exposure (see our <u>social heat map</u><sup>6</sup>). This includes considerations in relation to the coronavirus outbreak, given the substantial implications for public health and safety and the severe and extensive credit shock the pandemic has caused across many sectors, regions and markets.

Governance is highly relevant for Helaba, as it is to all participants in the banking industry. Governance risks are largely internal, rather than externally driven, and for Helaba, we do not have any particular governance concern. Nonetheless, corporate governance remains a key credit consideration and requires ongoing monitoring.

# Support and structural considerations

#### **Affiliate support**

Helaba benefits from cross-sector support from S-Finanzgruppe. Cross-sector support reduces the probability of default because the support would be available to stabilise a distressed member bank and not just to compensate for losses in resolution. The High support assumption assigned to Helaba, and also to most other Landesbanks, reflects their cross-liability scheme membership, but only partial ownership by S-Finanzgruppe members. Cross-sector support for Helaba provides a one-notch rating uplift from the baa2 BCA, leading to a baa1 Adjusted BCA.

### Loss Given Failure (LGF) analysis

Helaba is subject to the EU Bank Recovery and Resolution Directive (BRRD), which we consider to be an Operational Resolution Regime. We therefore apply our Advanced LGF analysis, where we consider the risks faced by the different debt and deposit classes across the liability structure should the bank enter resolution.

In our Advanced LGF analysis, we consider the results of both the formal legal position (pari passu, or 'de jure' scenario), to which we assign a 75% probability, and an alternative liability ranking, reflecting resolution authority discretion to prefer deposits over senior unsecured debt (full depositor preference, or 'de facto' scenario), to which we assign a 25% probability.

We further assume residual TCE of 3% and losses post-failure of 8% of tangible banking assets. In addition, we assume a 26% share of deposits being "junior" wholesale deposits, for which we factor in a 25% run-off before failure, while we assume a 5% run-off in preferred deposits. These ratios are in line with our standard assumptions. The results of our Advanced LGF analysis are:

- » For deposits and senior unsecured debt, as well as CRR liabilities, our LGF analysis indicates an extremely low loss-given-failure, leading us to position their Provisional Rating Assessments at a1, three notches above the baa1 Adjusted BCA.
- » For junior senior unsecured debt, our LGF analysis indicates a very low loss-given-failure, leading us to position its Provisional Rating Assessment at a2, two notches above the baa1 Adjusted BCA.
- » For subordinated debt, our LGF analysis indicates a high loss given failure, leading us to position its Provisional Rating Assessment at baa2, one notch below the baa1 Adjusted BCA.
- » Helaba's silent participations (non-cumulative preferred securities), issued by Main Capital Funding Limited Partnership and Main Capital Funding II Limited Partnership, are rated Ba1(hyb), three notches below the bank's Adjusted BCA, reflective of the instruments' net loss triggers.

#### **Government support considerations**

Following the introduction of the BRRD, we have lowered our expectations about the degree of support the government might provide to a bank in Germany in the event of need. Because of its size on a consolidated basis, we consider S-Finanzgruppe to be systemically important. We, therefore, attribute a Moderate probability of German government support for all members of the sector, in line with support assumptions for other systemically relevant banking groups in Europe. Hence, we still include one notch of government support uplift in our CRRs, senior unsecured debt and deposit ratings for S-Finanzgruppe member banks that are incorporated in Germany, including Helaba. For junior senior debt and subordinated debt instruments, we continue to believe that the likelihood of government support is Low and these ratings do not include any related uplift.

#### **Counterparty Risk Ratings (CRRs)**

#### Helaba's CRRs are Aa3/P-1

The CRRs, before government support, are positioned three notches above the bank's baa1 Adjusted BCA, reflecting the extremely low loss-given-failure from the high volume of instruments that are subordinated to CRR liabilities. Helaba's CRRs also benefit from one notch of rating uplift based on government support, in line with our Moderate support assumptions on deposits and senior unsecured debt.

#### Counterparty Risk (CR) Assessment

### Helaba's CR Assessment is Aa3(cr)/P-1(cr)

Helaba's CR Assessment, before government support, is three notches above the Adjusted BCA of baa1, based on the buffer against default provided to the senior obligations represented by the CR Assessment by more subordinated instruments, including junior deposits and (junior) senior unsecured debt. The CR Assessment also benefits from one notch of rating uplift from government support, in line with our Moderate support assumptions on deposits and senior unsecured debt.

Because the CR Assessment captures the probability of default on certain senior operational obligations, rather than expected loss, we focus purely on subordination and take no account of the volume of the instrument class.

# Methodology and scorecard

#### Methodology

The principal methodology we used in rating Helaba was Banks Methodology, published in July 2021.

#### **About Moody's Bank Scorecard**

Our Bank Scorecard is designed to capture, express and explain in summary form our Rating Committee's judgment. When read in conjunction with our research, a fulsome presentation of our judgment is expressed. As a result, the output of our scorecard may materially differ from that suggested by raw data alone (though it has been calibrated to avoid the frequent need for strong divergence). The scorecard output and the individual scores are discussed in rating committees and may be adjusted up or down to reflect conditions specific to each rated entity.

# Rating methodology and scorecard factors

Exhibit 10

Landesbank Hessen-Thueringen GZ

Macro Factors						
Weighted Macro Profile Strong	100%					
Factor	Historic Ratio	Initial Score	Expected Trend	Assigned Score	Key driver #1	Key driver #2
Solvency						
Asset Risk						
Problem Loans / Gross Loans	0.7%	aa2	$\leftrightarrow$	baa1	Sector concentration	Market risk
Capital						
Tangible Common Equity / Risk Weighted Assets (Basel III - transitional phase-in)	13.5%	a2	$\leftrightarrow$	a3	Nominal leverage	Risk-weighted capitalisation
Profitability						
Net Income / Tangible Assets	0.1%	Ь3	1	b2	Return on assets	Expected trend
Combined Solvency Score		a3		baa2		
Liquidity						
Funding Structure						
Market Funds / Tangible Banking Assets	54.5%	b3	$\leftrightarrow$	ba2	Extent of market funding reliance	Market funding qualit
Liquid Resources						
Liquid Banking Assets / Tangible Banking Assets	36.5%	a1	$\downarrow$	a3	Expected trend	Asset encumbrance
Combined Liquidity Score		ba1		baa3		
Financial Profile				baa2		
Qualitative Adjustments				Adjustment		
Business Diversification				0		
Opacity and Complexity				0		
Corporate Behavior				0		
Total Qualitative Adjustments				0		
Sovereign or Affiliate constraint				Aaa		
BCA Scorecard-indicated Outcome - Range				baa1 - baa3		
Assigned BCA				baa2		
Affiliate Support notching				1		
Adjusted BCA				baa1		

Balance Sheet is not applicable.

Debt Class	De Jure wa	terfal	l De Facto w	aterfall	Notching		LGF	Assigned	Additional	l Preliminary
			Instrument on volume + o subordination	rdination	De Jure	De Facto	Notching Guidance vs. Adjusted BCA		Notching	Rating Assessment
Counterparty Risk Rating	-	-	-	-	-	-	-	3	0	a1
Counterparty Risk Assessment	-	-	-	-	-	-	-	3	0	a1 (cr)
Deposits	-	-	-	-	-	-	-	3	0	a1
Senior unsecured bank debt	-	-	-	-	-	-	-	3	0	a1
Junior senior unsecured bank debt	-	-	-	-	-	-	-	2	0	a2
Dated subordinated bank debt	-	-	-	-	-	-	-	-1	0	baa2

Instrument Class	Loss Given Failure notching	Additional notching	Preliminary Rating Assessment	Government Support notching	Local Currency Rating	Foreign Currency Rating
Counterparty Risk Rating	3	0	a1	1	Aa3	Aa3
Counterparty Risk Assessment	3	0	a1 (cr)	1	Aa3(cr)	
Deposits	3	0	a1	1	Aa3	Aa3
Senior unsecured bank debt	3	0	a1	1	Aa3	
Junior senior unsecured bank debt	2	0	a2	0	A2	
Dated subordinated bank debt	-1	0	baa2	0	Baa2	

<sup>[1]</sup> Where dashes are shown for a particular factor (or sub-factor), the score is based on non-public information.

Source: Moody's Investors Service

# **Ratings**

Exhibit 11

Category	Moody's Rating
LANDESBANK HESSEN-THUERINGEN GZ	
Outlook	Stable
Counterparty Risk Rating	Aa3/P-1
Bank Deposits	Aa3/P-1
Baseline Credit Assessment	baa2
Adjusted Baseline Credit Assessment	baa1
Counterparty Risk Assessment	Aa3(cr)/P-1(cr)
Issuer Rating -Dom Curr	Aa3
Senior Unsecured -Dom Curr	Aa3
Junior Senior Unsecured -Dom Curr	A2
Junior Senior Unsecured MTN -Dom Curr	(P)A2
Subordinate -Dom Curr	Baa2
Commercial Paper -Dom Curr	P-1
MAIN CAPITAL FUNDING II LIMITED PARTNERSHIP	
Pref. Stock Non-cumulative	Ba1 (hyb)
MAIN CAPITAL FUNDING LIMITED PARTNERSHIP	
Pref. Stock Non-cumulative	Ba1 (hyb)
Source: Moody's Investors Service	

## **Endnotes**

- $\underline{\mathbf{1}}$  The ratings shown are S-Finanzgruppe's corporate family rating and outlook, as well as its BCA.
- 2 Press release: https://www.helaba.com/int/information-for/media-and-public/news/releases/2019/dexia-and-helaba-complete-the-sale-of-dexia-kommunalbank-deutschland.php
- 3 Press release: https://www.helaba.com/int/information-for/media-and-public/news/releases/2019/helaba-successfully-concludes-acquisition-of-dvb-bank-ses-land-transport-finance-portfolio.php
- 4 The difference between our 13.5% TCE ratio and the bank's 14.7% CET1 ratio mainly stems from our inclusion of the remeasurement of Helaba's net defined benefit pension plan liability in TCE, which stood at a negative €701 million as of year-end 2020. In recent years, the gap between our TCE ratio and the CET1 ratio has widened, mostly reflecting lower CET1 deductions arising from the comparison between recognised allowances and expected losses, as well as lower other regulatory adjustments.

5 Environmental risks can be defined as environmental hazards encompassing the impact of air pollution, soil/water pollution, water shortages, and natural and man-made hazards (physical risks). Additionally, regulatory or policy risks, such as the impact of carbon regulation or other regulatory restrictions, including related transition risks such as policy, legal, technology and market shifts, that could impair the evaluation of assets are an important factor. Certain banks could face a higher risk from concentrated lending to individual sectors or operations exposed to the aforementioned risks.

- 6 Social risk considerations represent a broad spectrum, including customer relations, human capital, demographic and societal trends, health and safety, and responsible production. The most relevant social risks for banks arise from the way they interact with their customers. Social risks are particularly high in the area of data security and customer privacy, which is partly mitigated by sizeable technology investments and banks' long track record of handling sensitive client data. Fines and reputational damage because of product mis-selling or other types of misconduct is a further social risk. Societal trends are also relevant in a number of areas, such as shifting customer preferences towards digital banking services increasing information technology costs, ageing population concerns in several countries affecting the demand for financial services or socially driven policy agendas that may translate into regulations that affect banks' revenue bases.
- Corporate governance is a well-established key driver for banks and related risks are typically included in our evaluation of banks' financial profiles.
  Corporate governance weaknesses can lead to a deterioration in a bank's credit quality, while governance strengths can benefit its credit profile. Further, factors such as specific corporate behaviour, key person risk, insider and related-party risk, strategy and management risk factors, and dividend policy may be captured in individual adjustments to the BCA.

© 2021 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

CREDIT RATINGS ISSUED BY MOODY'S CREDIT RATINGS AFFILIATES ARE THEIR CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MATERIALS, PRODUCTS, SERVICES AND INFORMATION PUBLISHED BY MOODY'S (COLLECTIVELY, "PUBLICATIONS") MAY INCLUDE SUCH CURRENT OPINIONS. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT OR IMPAIRMENT. SEE APPLICABLE MOODY'S RATING SYMBOLS AND DEFINITIONS PUBLICATION FOR INFORMATION ON THE TYPES OF CONTRACTUAL FINANCIAL OBLIGATIONS ADDRESSED BY MOODY'S CREDIT RATINGS. CREDIT RATINGS, DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS, NON-CREDIT ASSESSMENTS ("ASSESSMENTS"), AND OTHER OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. AND/OR ITS AFFILIATES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. MOODY'S CREDIT RATINGS, ASSESSMENTS AND OTHER OPINIONS AND PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING. OR SALE.

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS, AND PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS OR PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER.

ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT.

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM BEING CONSIDERED A BENCHMARK.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing its Publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information.

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY CREDIT RATING, ASSESSMENT, OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any credit rating, agreed to pay to Moody's Investors Service, Inc. for credit ratings opinions and services rendered by it fees ranging from \$1,000 to approximately \$5,000,000. MCO and Moody's Investors Service also maintain policies and procedures to address the independence of Moody's Investors Service credit ratings and credit rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold credit ratings from Moody's Investors Service and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at <a href="https://www.moodys.com">www.moodys.com</a> under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any credit rating, agreed to pay to MJKK or MSFJ (as applicable) for credit ratings opinions and services rendered by it fees ranging from JPY125,000 to approximately JPY550,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

REPORT NUMBER

1297654

#### Contacts

**Ibrahim Kara** Associate Analyst ibrahim.kara@moodys.com

#### **CLIENT SERVICES**

 Americas
 1-212-553-1653

 Asia Pacific
 852-3551-3077

 Japan
 81-3-5408-4100

 EMEA
 44-20-7772-5454

