# INVESTOR PRESENTATION

SBAB Bank AB (publ) Q3 2018



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### **Executive summary**

- 100% owned by the Kingdom of Sweden
- · Swedish mortgage portfolio, predominantly residential mortgages
- · Savings accounts offered to retail customers, corporate clients and tenant-owners' associations
- Business targets:
  - Profitability: RoE  $\geq$  10%
  - Capitalisation: CET1 Capital Ratio & Total Capital Ratio 1.5% above requirement from the Swedish FSA
  - Dividend: ≥ 40% of profits after tax
- Total funding needs for full 2018 expected to be around SEK 60-70 billion

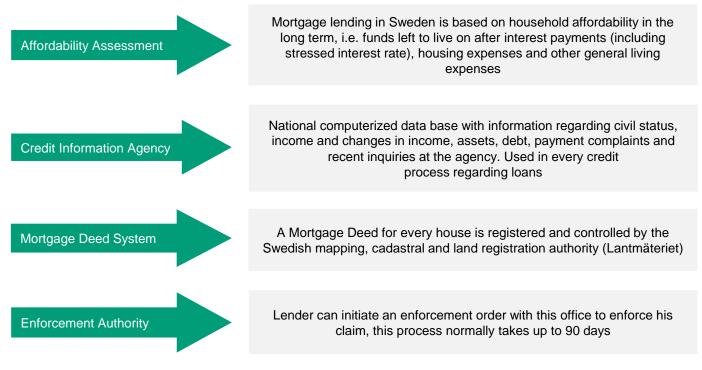
	Jan-Sep 2018	Jan-Sep 2017	Jan-Dec 2017
Total lending, SEK bn	358.0	324.4	335.1
Total deposits, SEK bn	120.5	107.0	111.9
Net Interest Income, SEK mn	2,514	2,348	3,149
Loan losses, SEK mn	+18	+4	+24
RoE, %	12.1	12.4	12.5
C/I ratio, %	31.4	30.2	30.3
CET1 Capital Ratio, %	31.5	31.4	32.2

Rating	Moody's	S&P's
SBAB		
- Short term funding	P-1	A-1
- Long term funding	A1	А
SCBC		
- Long term funding	Aaa	

# THE SWEDISH MORTGAGE MARKET.

### Mortgage lending in Sweden

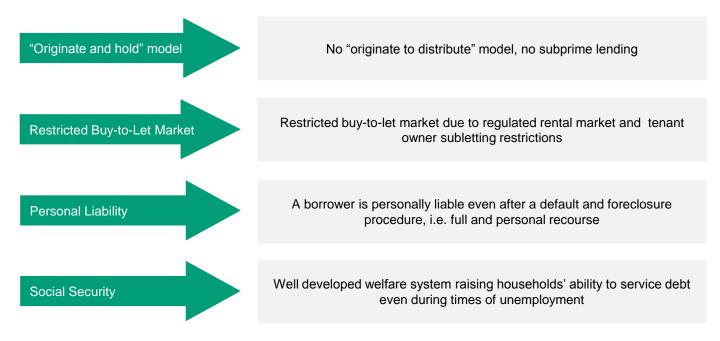
#### A low risk business



### **SBAB!**

### Mortgage lending in Sweden

#### A low risk business

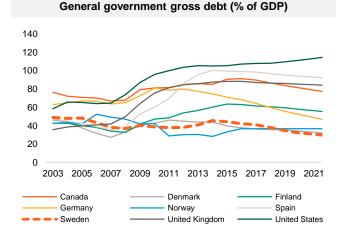


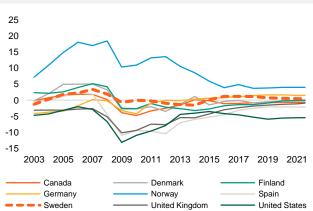
### **SBAB!**

### The Swedish economy

#### – AAA / Aaa / AAA (stable)

- Public finances are very strong in an international comparison
- Government debt is low and declining
  - Public debt-to-GDP of 40,9% in 2017, 38,0% in 2018 and 34,4% 2019 (IMF, July 2018)
- · Budget currently close to balance
  - Average budget balance has been +0.4% of GDP over the past 15 years

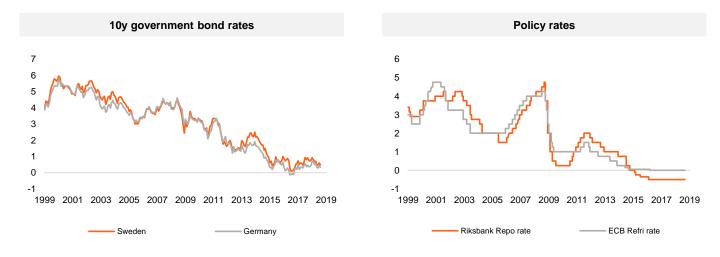




#### General government net lending/borrowing (% of GDP)

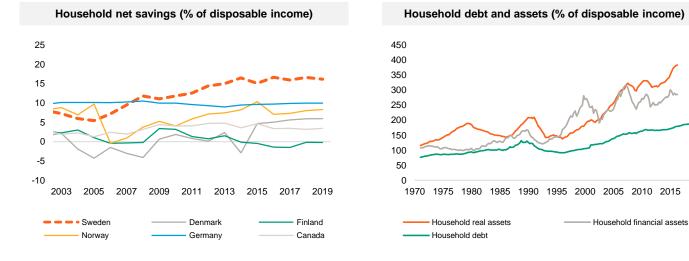
### **Interest rates**

- · Long and short interest rates have a high correlation with European (i.e. German) rates
  - The spread against 10y German bond has on average been +18bp, over the last 15 years, correlation has been 0.99
- · Sweden has gained something of a safe haven status over the last 10-15 years
  - Strong public finances, a stable financial system, low inflation and international flight to quality have been holding down long term interest rates



### High savings ratio, high net wealth

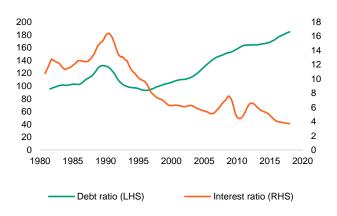
- High savings ratio
  - Swedish households have a savings ratio at 16%, which is very high in comparison to other countries
  - Household deposits has risen from about 50% of yearly disposable income in the beginning of the 2000s to about 80%
- High net wealth
  - Both financial assets and housing assets have been rising faster than debt. Average net wealth stands at almost 5 times yearly disposable income



### Household debt has increased

- High debt to income ratio but low interest costs
  - The household debt to income ratio has increased since the mid-1990s to currently 184%. The rise in the debt ratio is strongly connected to the decline in interest rates and rising share of homeownership
- Average household exposed to interest rate risk
  - The interest ratio is historically low. Rising interest rate levels will eventually push up the interest ratio in the coming years. This
    effect will be reinforced by the increased use of floating interest rates

Household debt and interest cost share of income



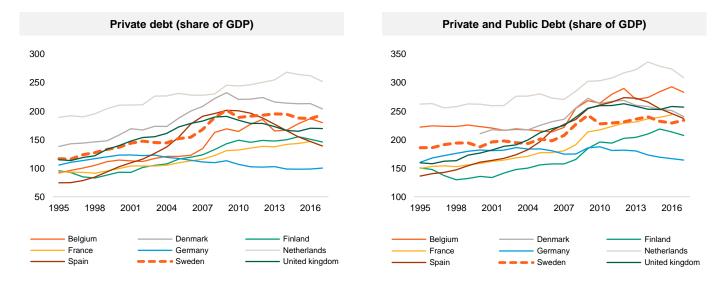


— Mortgage lenders, new loans

#### Share of mortgage loans with floating interest rates

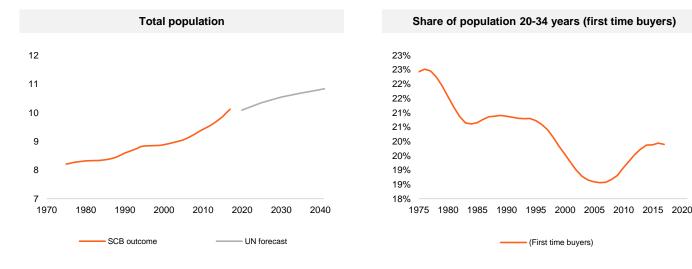
### **Debt compared to other countries**

- Household debt to income is rather high compared to some other countries
  - The general conclusion from Swedish authorities is that household debt is currently not a threat to financial stability but future growth should be contained
- Total debt (household, company (non-financial and financial) and public) around average in an international comparison
  - Strong public finances puts Sweden in a favorable position



### **Demographics**

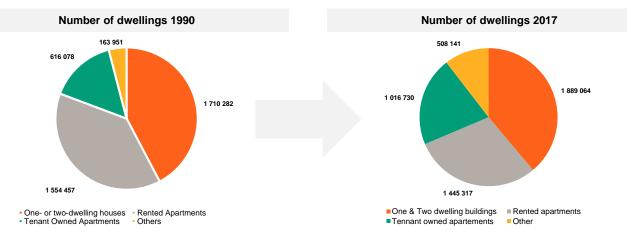
- · Population growth has been unexpectedly strong
  - Population is currently growing by 1.3% per year
  - Both migration and birth excess are strong
- · The number of potential First Time Buyers (20-34 years old) has been rising
  - Puts further pressure on housing market
  - Other important long term demographic factors such as ageing population and urbanization adds to the pressure



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### The Swedish housing market

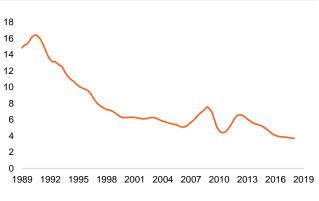
- Most Swedes own their dwelling
  - 67% of the dwelling stock (excluding other dwellings) is owner occupied and 33% is rented
- · The rental market is highly regulated
  - Rent controls are strong and a large part is owned by property companies controlled by municipalities. The share of rented apartments has been declining due to rent regulations making it unprofitable to build new units where demand is high (large cities)
- · The number of tenant owned apartments has risen
  - Price increases have made it highly profitable for private (and public) landlords to sell their properties to tenant-owner associations



### **Strong lending growth**

- Household lending is currently increasing by an annual rate of 6.1%
  - Lending increases faster than household income
  - Measures taken has probably not had any major effects on growth rate, but on the composition
- Low debt service costs
  - There are strong links between interest rates, house prices and lending to households
  - The interest expenditure to disposable income ratio is at historically low



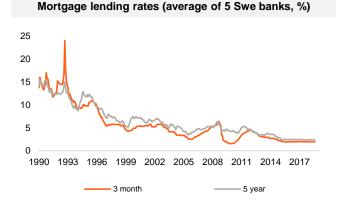


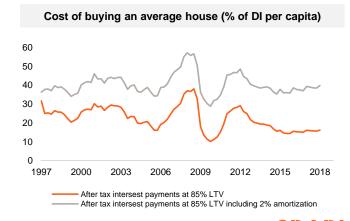
Interest expenditure as % of disposable income

Gross interest expenditures

### Low costs of owning a dwelling

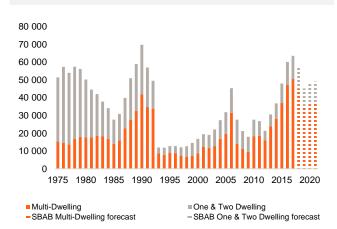
- Mortgage rates have been on a downward trend for almost 25 years
  - Mortgage rates and house prices have been highly correlated
  - Interest cost is deductible to 30% (20% on amounts above 100,000 SEK)
- No increase in debt service costs
  - Interest cost of buying an average house has historically been around 22% of disposable income per capita over the past 21 years. Now it's at 16%
- Relaxation of taxes connected to housing
  - Inheritance & gift tax abolished in 2005, wealth tax abolished in 2007
  - Residential real estate tax lowered in 2008
  - Capital gains taxation applies to dwellings (flat rate 22%)



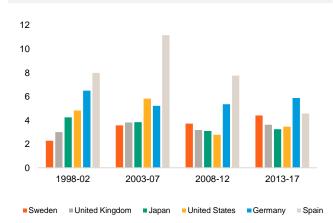


### **Housing construction**

- Low level of housing construction for a long time is peaking in 2017
  - After the real estate crisis in the early 1990s, construction has been low in comparison to both history and other countries
  - Over the past 3-4 years housing construction has more than doubled
- · Strong housing demand, easy access to financing and low interest rates are stimulating construction
  - Signs of overheating in the construction industry due to the acceleration in production
  - 50-60 000 new dwellings per year are needed just to keep the stock of dwellings growing at the same pace as the population in the coming ten years



Housing construction (number of dwellings)

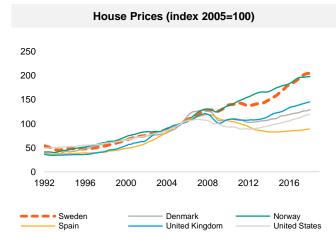


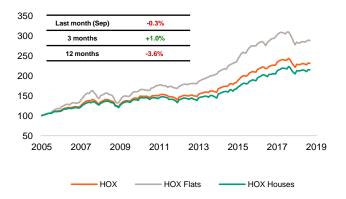
#### Residential investment (% of GDP)

### **SBAB!**

### House price performance (1/2)

- House prices have increased by an average of 6.4% over the last 15 years, turning point in 2017
  - Increases have been higher in metropolitan areas than in the countryside. Prices on flats have risen more than on houses
  - On average, prices on flats and houses decreased by 2.5% in 2017, the majority during the final quarter
- With the exception of a strictly regulated rental market, the Swedish housing market contrasts with textbook examples of bubble markets in a number of ways
  - Strict regulations on buy-to-let
  - No subprime mortgage market
  - Limited speculative building activity





#### Prices on flats and houses (Index 2005=100)

### House price performance (2/2)

		Change since				
	Index (September 2018)	1m	3m	12m		
Sweden (HOX)	231	-0.3%	+1.0%	-3.6%		
Flats, Sweden	288	-0.4%	+1.4%	-5.2%		
Stockholm	274	-0.1%	+1.7%	-5.4%		
Gothenburg	332	+0.3%	+1.4%	-4.4%		
Malmö	244	-0.3%	+0.6%	-3.6%		
Houses, Sweden	215	-0.3%	+0.8%	-2.5%		
Stockholm	214	-0.7%	+1.2%	-7.3%		
Gothenburg	220	-1.5%	-0.2%	-2.1%		
Malmö	193	-1.8%	+0.5%	+1.0%		

**SBA** 

### The Swedish mortgage market

- Measures introduced to slow down the market

#### **Ongoing discussions**

- Reduction of tax relief on interest expenditure
- Minimum levels in discretionary income calculations
- · Reducing the use of variable interest rate

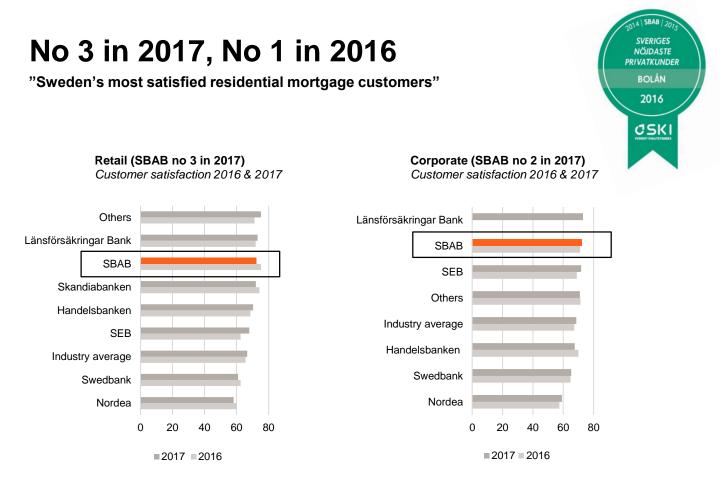
2013 15% risk weig mortgages in 2010 LTV cap 85%			pleme 201 Ame loar ame		2016 Implementation of the Swedish FSA's (S-FSA) requirements on amortization (2% above 70% LTV and 1% 50-70% LTV)			
<b>2010</b> Amortization on all loans above 75% LTV (industry agreement)			<b>2014</b> Risk weight floors on mortgag increased to 25%	es	2018 Implementation of the S-FSA's requirements on amortization (new mortgagors with mortgages in excess of 4.5 times their gross income must amortize at least 1 per cent of the debt in addition to the 2016's amortization requirement)			

### OUR BUSINESS.

### **Introducing SBAB**

- Founded in 1985
- 100% owned by the Kingdom of Sweden
- Two product offerings:
  - Lending: Mortgages & housing financing offered to retail customers (76%), tenant-owners' associations (14%) and property companies (10%). Total lending SEK 358.0 billion
  - Savings: Savings accounts offered to retail customers (69%), corporate clients and tenant-owners' associations (31%). Total deposits SEK 120.5 billion





#### 22 Source: Svenskt Kvalitetsindex (SKI, Swedish Quality Index), Q42017

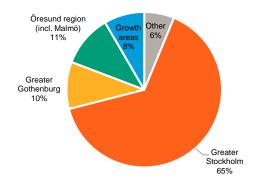
SBAB!

### **Retail lending**

#### - Total lending SEK 271.6 billion

- Savings and loan products & home and housing services to consumers. The core
  product is residential mortgages. We have no traditional bank branches, which means
  that our products and services are offered online or by telephone
- 5th largest residential mortgage provider in Sweden
- Our retail customers are primarily located in areas around Stockholm, Gothenburg, Malmö, and other university cities and growth regions

#### Geographic distribution of lending portfolio





### **Our value proposition**



ACCESSIBILITY

Mortgages online and over the phone, seven days a week, covering all circumstances.

## TRANSPARENCY

Fair prices and appropriate terms and conditions from the start.

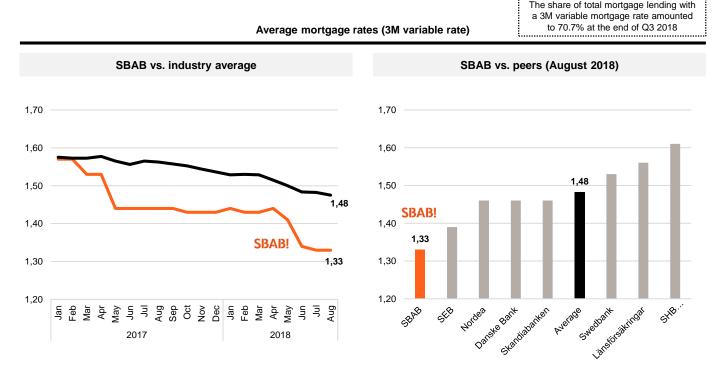


### CONSIDERATION

Housing specialists who care.



### **Competitive terms and conditions (Aug 18)**

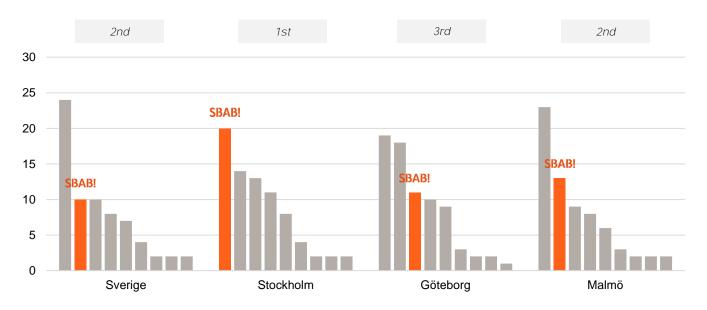


**SBAB!** 

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### **Strong position & awareness**

"Which companies offering mortgages do you know of?" (first mentioned)



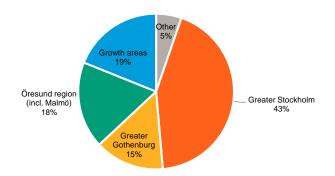
SBAB is the 5<sup>th</sup> largest mortgage provider in Sweden, but the 2<sup>nd</sup> most recognised in Sweden and 1<sup>st</sup> - 3<sup>rd</sup> most recognised in the largest cities, supporting further growth

### **Corporates & TOA**

#### - Total lending SEK 86.4 billion

- Savings products and housing financing to property companies and tenant-owners' associations
- We finance multi-family dwellings, both privately owned and owned by tenant-owner associations. The properties may consist of existing buildings or new construction, where we mortgage the land and the construction, and offer final funding
- Credit granting concentrated to growth regions surrounding our three offices in Stockholm, Gothenburg and Malmö

Geographic distribution of loan portfolio



# Stockholm Gothenburg Malmo

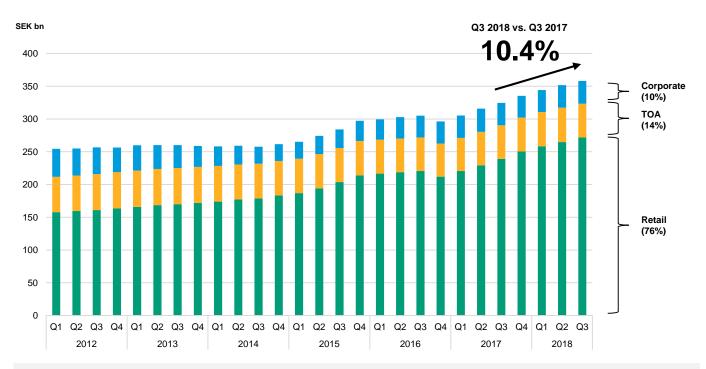
### **SBAB!**

### **BUSINESS & FINANCIAL DEVELOPMENT.**

### **Continued strong development**

(SEK mn)	2017	2016		<b>A</b>	Jan-Sep 2018	Jan-Sep 2017		<b>A</b>
NII	3,149	2,829		+13.2%	2,514	2,348		+7.1%
Costs	-959	-889	•	+7.9%	-752	-700	•	+7.4%
Loan losses	24	-18	•	+SEK 42 mn	18	4	+	+SEK 14 mn
Operating profit	2,228	2,011		+10.8%	1,665	1,625		+2.5%
Lending (SEK bn)	335.1	296.0	•	+13.2%	358.0	324.4	•	+10.4%
Deposits (SEK bn)	111.9	96.8	•	+15.6%	120.5	107.0		+12.6%
Deposit/lending, %	33.4%	32.7%	•	+70 bps	33.7%	33.0%	•	+70 bps
C/I ratio, %	30.3%	30.5%	+	-20 bps	31.4%	30.2%		+120 bps
RoE, %	12.5%	12.3%	•	+20 bps	12.1%	12.4%	¥	-30 bps
CET1 capital ratio, %	32.2%	32.2%	+	0 bps	31.5%	31.4%		+10 bps

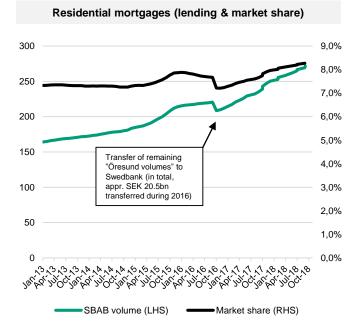
### Lending growth



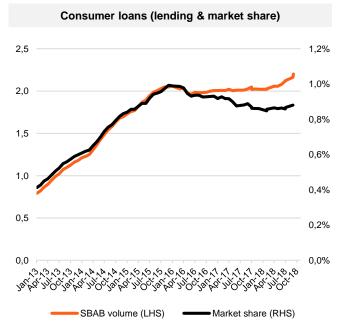
Approximately SEK 20.5bn of assets transferred from SBAB during 2016 due to option excercised by former partner Sparbanken Öresund (acquired by Swedbank)

### Retail

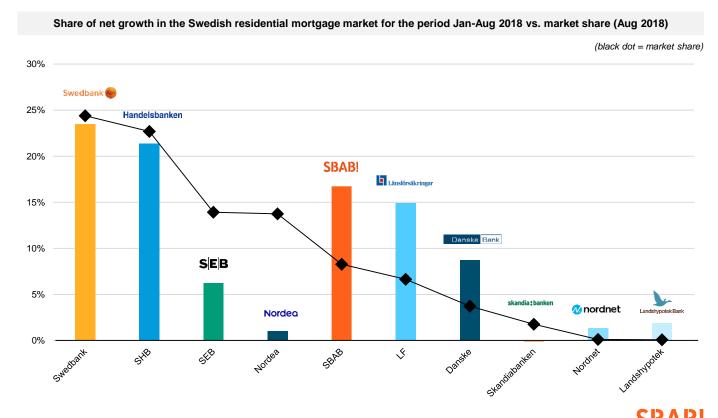
SEK 269.4 bn



### SEK 2.2 bn



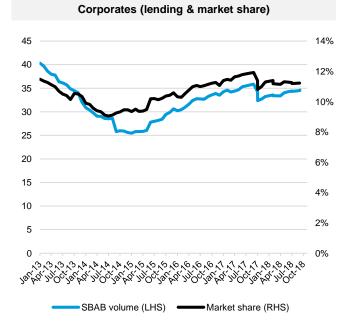
### Swedish residential mortgage market 2018



32 Source: Statistics Sweden: "1B30151A Lending, Sweden, Secured Property, Households" (27 Sep 2018).

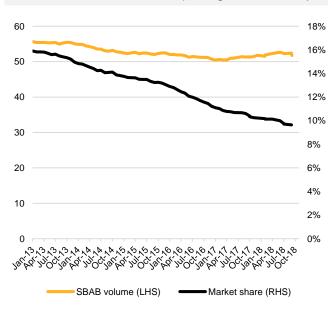


SEK 34.6 bn



### SEK 51.8bn

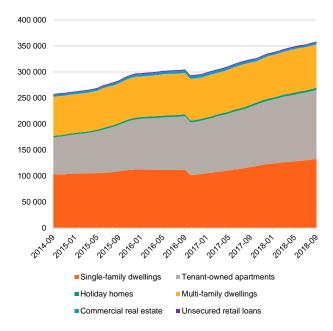
#### Tenant-Owners' Associations (lending & market share)

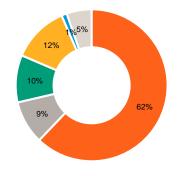


### **Overview of SBAB collateral**

Volume (SEK mn) - divided by collateral type

Geographic exposure of collateral





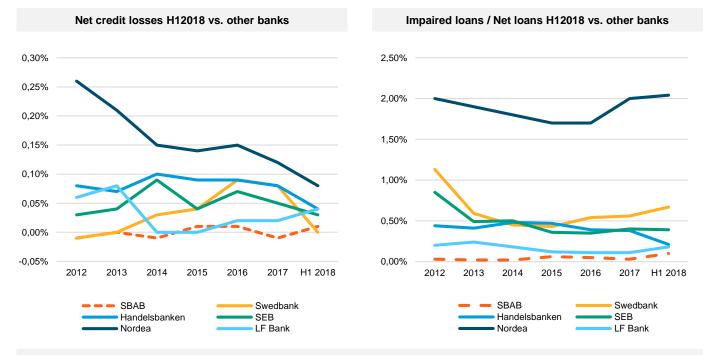
Greater Stockholm

- Greater Gothenburg

- University and growth areas
- Öresund region (incl. Malmö)
- Depopulating areas
- Other regions

### **SBAB!**

### Credit losses vs. peers (H1 2018)

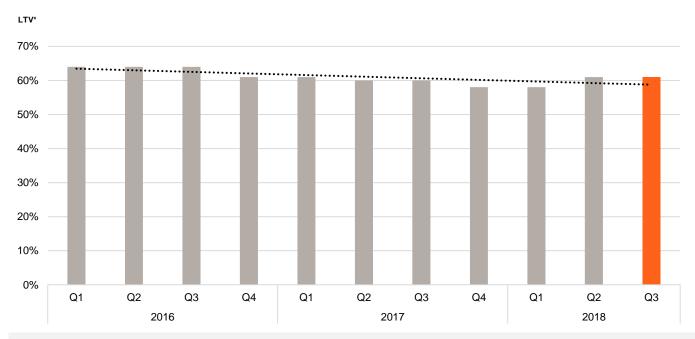


Thorough credit evaluations and low risk assets consistently achieves low credit losses

\* As reported by each bank, definition of credit losses/impairments may vary between banks

### **SBAB!**

### LTV development (residential mortgages)

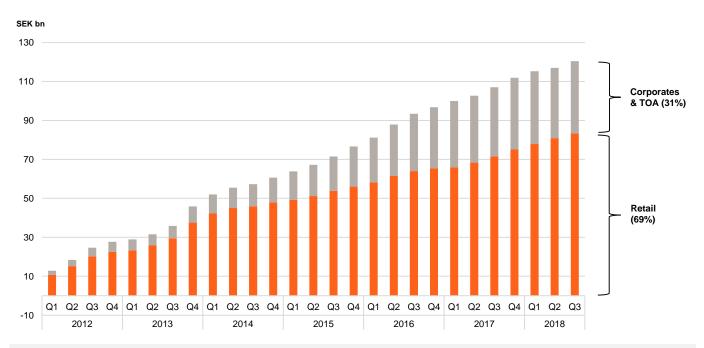


#### SBAB has gradually imposed stricter underwriting standards during recent years which has improved credit metrics in new lending

\* The loan-to-value ratio is defined as the size of a loan in relation to the market value of pledged collateral. The reported average is the weighted average. Where applicable, the calculation takes into consideration contributory factors such as guarantees and the collateral's lien priority. SBAB verifies property values on a regular basis. For residential properties and tenant-owners' rights, the property value is verified at least every third year.

## **Deposit growth**

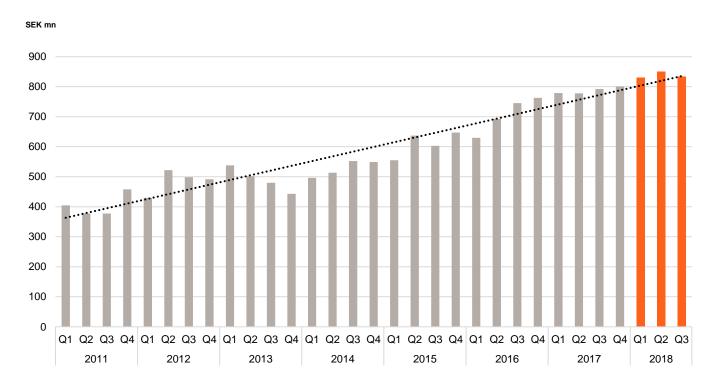
- Deposit-to-loan ratio of 33.7% at 30 Sep 2018



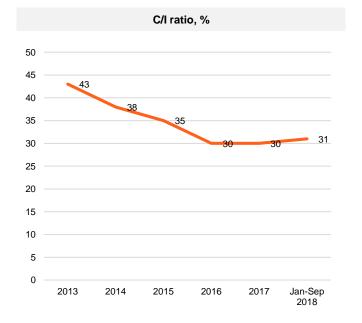
Deposits has grown significantly over past years leading to reduced reliance on capital markets funding and adding to earnings stability

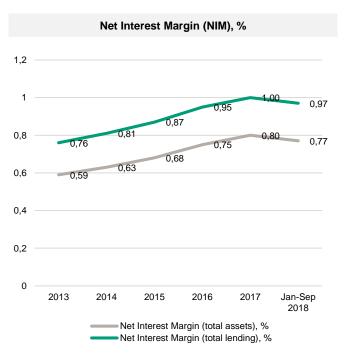
### Net interest income QoQ

### - Continued stability and growth

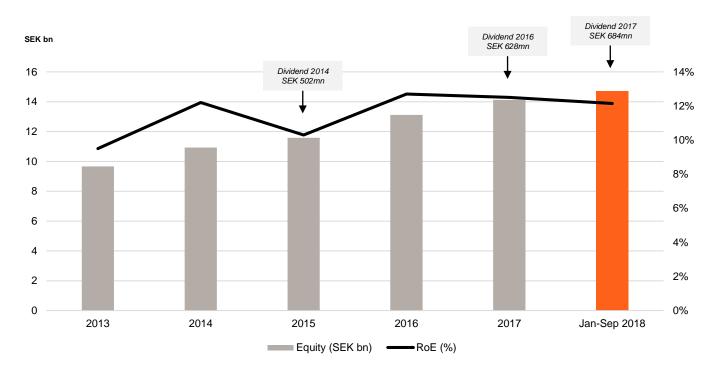


### **Competitive C/I ratio**



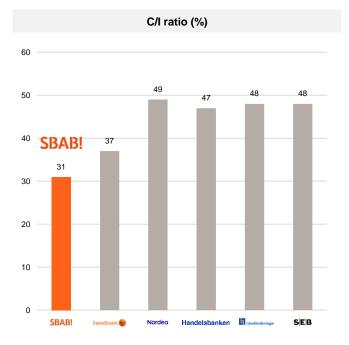


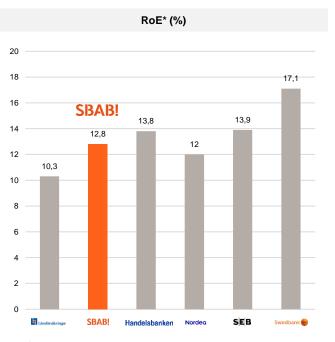
### **Equity and RoE**



- · Equity adjusted for additional Tier 1 securities and value changes in financial assets recognised in equity
- Return on equity calculated as earnings after tax in relation to average equity, after adjustment for additional Tier 1 securities and value changes in financial assets recognised in equity
- When calculating the return on equity for Jan-Sep 2018, average equity has been adjusted for dividend of SEK 684 million for 2017

### C/I ratio and RoE H1 2018 vs. peers

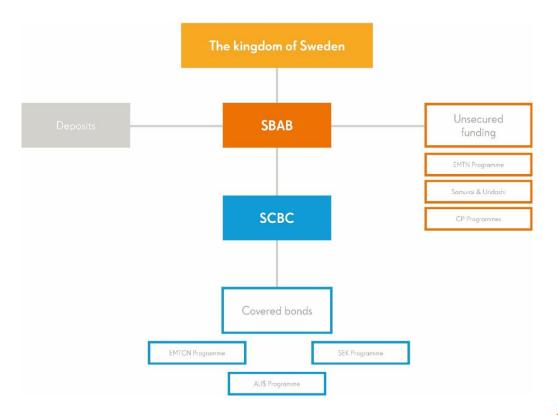




<sup>1</sup>Return on equity excluding items affecting comparability

FUNDING, LIQUIDITY & CAPITAL.

### **Funding structure**



# **Overall funding strategy**

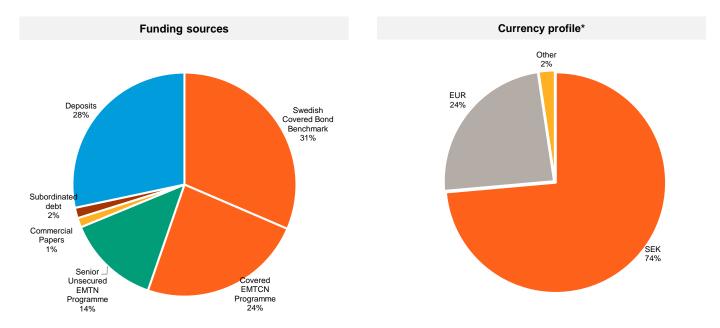
- Continuous and committed investor work in core markets and towards core investors to further increase name recognition and transparency
- Reduce wholesale funding reliance through growing deposit volumes. Maintain a low reliance on foreign currency funding.
- Maintain access to core funding markets SEK- and EUR-market
  - Regular benchmark issuance in Covered Bond format as well as in Senior Unsecured format
  - Private placements in niche currencies
- Efficient use of Covered Bond Funding ~ 50% of total funding. Utilising the depth and stability of the Swedish Covered Bond Market

- Limited use of short dated funding through CP-programs and of interbank funding.
- Intermediate (5y+) bond tenors to support funding duration

**SBAB** 

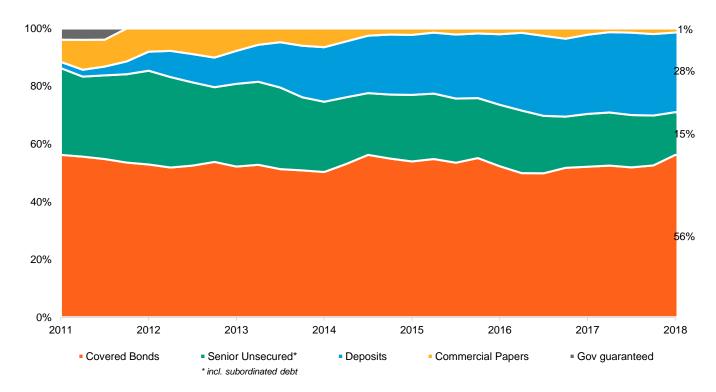
# **Funding sources**

- Total funding portfolio SEK 425 billion (as of 30<sup>th</sup> September 2018)





### **Development of funding sources**



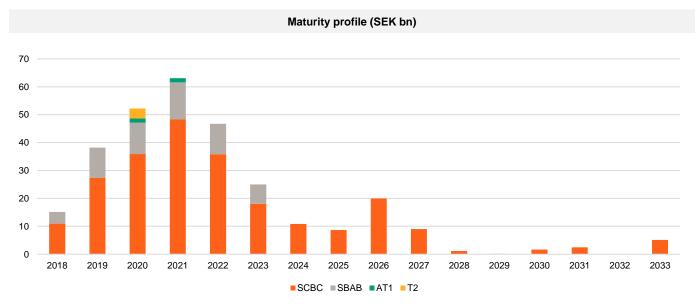
### **Update on MREL**

- In December 2017, the SNDO (Riksgälden) decided on plans for how banks and other institutions should be managed in a
  financial crisis. The SNDO's judgement was that ten of the Swedish institutions have business activities that are critical to
  the financial system (systemically important) and therefore they should be managed via resolution. These institutions are
  the four major banks and the mid-sized institutions Landshypotek, Länsförsäkringar, SBAB, Skandiabanken, Sparbanken
  Skåne and The Swedish Export Credit Corporation
- In June 2018, SNDO made public that the principle of subordinated liabilities shall also apply to the six mid-sized institutions that are critical for the financial system. Phase in period until end 2021
- SBAB's total MREL-requirement for 2018 is set around SEK 25 bn, where approximately SEK 14 bn is the recapitalisation amount
  - SFSA's proposal to move the risk weight floor pillar 2 to pillar 1 might slightly lower the recapitalisation amount (appr. SEK 11-12 bn based on current balance sheet)
  - SBAB's estimated balance sheet growth and buffer will add to MREL requirement
- Senior non preferred need (requirement and buffer) of approximately SEK 20 bn by end 2021
- Swedish legislation that enable Senior-non-preferred issuance is expected to pass in December 2018 with issuance starting during first half of 2019

· Gradual build up of subordinated liabilities (senior non preferred) over the next three years

### Maturity profile – long term debt

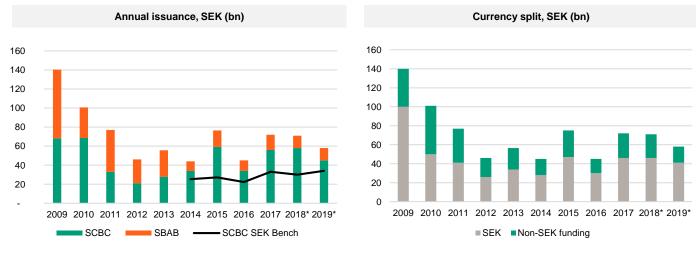
- Smooth funding profile reduces refinancing risk
- Extended maturity profile with successful benchmark issues in 2026, 2027 and 2033 segments
- · Liquidity risk is being mitigated through buy-backs of maturing bonds



# **SBAB Group funding**

### - Moderate funding needs ahead

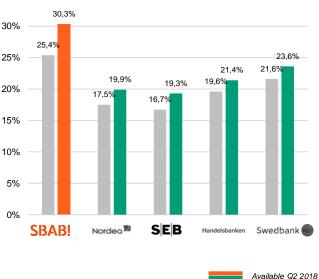
- SBAB Group operates in a number of funding markets. A broad and efficiently diversified investor base is an important part of the Group's funding strategy
- Long term funding volume for 2018 SEK 70bn and for 2019 around SEK 60bn of which a majority in SEK
- Intermediate tenors to support duration

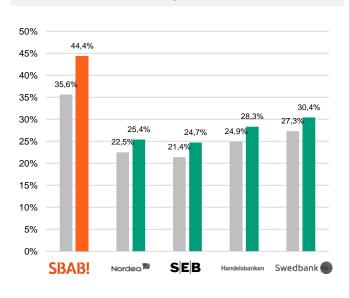


# Strong capital buffers (Q2 2018)

### - SBAB well above requirements

CET1 capital ratio





**Total capital ratio** 

Requirement Q2 2018

# **Decision by the Swedish FSA**

- SBAB has decided to translate buffer levels in existing capital targets

- Finansinspektionen ("FI") has decided to change the method it uses to apply the 25% risk weight floor for Swedish
  mortgages currently captured through Pillar 2 by replacing it with a capital requirement within the framework of Article 458
  of CRR.
  - This moves the Swedish mortgage floor requirement currently captured in Pillar 2 to Pillar 1 through an increase in RWAs

- Banks with the largest exposure to the Swedish residential mortgage market are the most impacted by the change
- This increase in banks' RWAs, will be concomitant with a decrease of Swedish banks capital requirements (in percentage term) leaving their overall capital requirements (in SEKbn) unchanged
- This means that <u>while Swedish banks' capital ratios will reduce</u>, the buffers their demonstrate to their overall capital requirements in SEKbn will remain unchanged
- Given the above, SBAB's Board has decided to <u>translate the buffer levels, expressed in percentage points, in the</u> <u>existing capital targets:</u>
  - "Under normal conditions, SBAB's CET1 capital ratio and total capital ratio should be at least 0.6 percentage points above the requirement communicated by the Swedish FSA"
  - In nominal terms, this corresponds to a buffer level of 1.5 percentage points before moving the risk-weight floor, in line with the existing capital targets

### **Capital requirements**

- Move of RW-floor & impact on SBAB

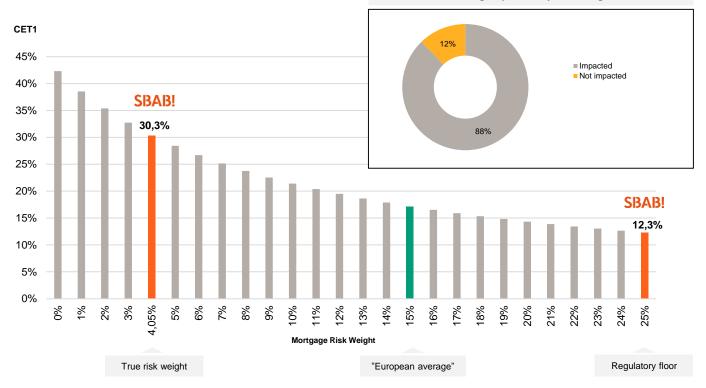
30 Sep 2018	Floor in P2	Floor in P1
REA	44,194	<u>→ 112,986</u>
Capital policy – internal requirement		
CET1 requirement	11.4	11.4
Total capital requirement	16.0	16.0
Ratios		
CET1	31.5%	12.3%
Total capital	46.1%	18.0%
Ratios – internally estimated S-FSA requirement		
CET1	25.8%	10.1%
Total capital	36.2%	14.2%
Ratios – management buffer		
CET1	27.3%	TBD
Total capital	37.7%	TBD
Margin to estimated S-FSA requirement		
CET1	5.7%	2.2%
Total capital	9.9%	3.8%



### **Capital requirements**

### - Move of RW-floor & impact on SBAB (Q2 2018)

% of lending impacted by risk weight floor



## **Capital requirements**

- Pro forma calculation vs. peers (Q2 2018)

### Impact on CET1 ratios

Banks with the largest exposure to the Swedish mortgage market are the most impacted (although CET1 position in SEKbn stays unchanged)

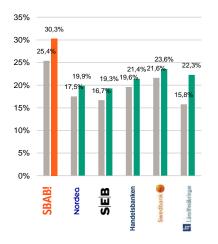
Pro forma CET1 position

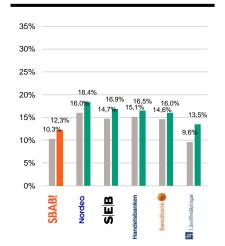
following the increase in RWAs

Available Q2 2018

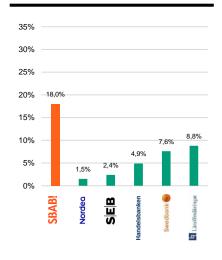
Requirement Q2 2018

CET1 position 30 Jun 2018



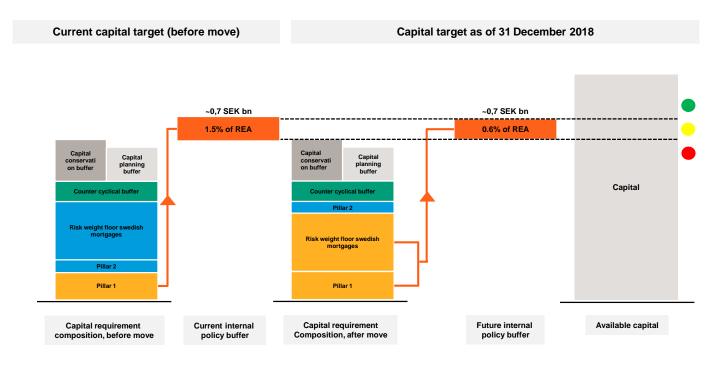


#### Implied reduction in the CET1 ratio



### **Translation of capital targets**

- Unchanged nominal CET1 buffer with regards to regulatory changes



### **Translation of capital targets**

### - Unchanged nominal CET1 buffer with regards to regulatory changes

→ Unchanged nominal CET1 buffer with regards to regulatory changes, i.e. translation of buffer levels in current capital targets: from 1.5% to 0.6% of REA (the adjustments enter force in conjunction with the change on 31 December 2018)

• The purpose of the buffer is not to act against fundamental changes in capital requirements. Instead, it will protect against increased risk levels as well as temporary unplanned and rapid growth (i.e. at a higher rate than planned organic growth)

#### • The buffer rate of 0.6% of risk exposure amounts (REA) can be justified as follows:

#### 1. Buffer to increase risk or rapid growth:

- 0.6% of REA will amount to approximately SEK 0.7 billion.
- With the current requirement level, SEK 0.7 billion amounts to:
  - » 6% of internally assessed capital requirement, incl. floor and buffer requirements
  - » 21% of the capital requirement from risks in Pillar 1 and 2 excluding floor add-on and buffer requirements.
- Therefore, if volumes would increase with rapid growth above the planned volumes, the buffer corresponds to growth of approximately SEK 20bn in mortgages

#### 2. Previous level still applies:

- 1.5% of REA (excluding floor) corresponds to approximately 0.6% of REA (including floor) if the buffer size is to be kept constant in nominal terms
- Risk migration will not affect the buffer in the future (highly unlikely, as the entire portfolio needs to migrate 4 steps or more in risk)
- The buffer can instead be affected by changes in other exposures and risk levels as well as volume changes

#### 3. Forward looking business planning:

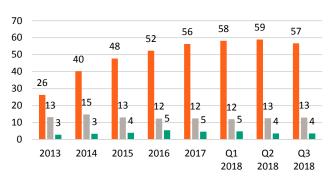
- Strategic business planning has been performed based on previous 1.5% of REA (excluding RW floor)
- The risks have not risen, nor have the capital requirements (which are limiting factors). Therefore, raising the internal buffer in nominal terms should instead be based only on increased risk, which is not the case

# Liquidity portfolio

- SEK 73.0bn (as of 30th September 2018)

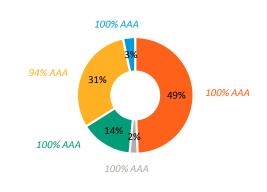
- LCR compliant since 1st January 2013
  - at the end of Q3 2018, LCR\* stood at 277% for all currencies combined
- 98% AAA and 2% AA+
- Maximum 10y maturity
- · We have increased our portfolio to extend survival horizon
- NSFR at 118%

\* According to the European Commission's Delegated Regulation with regard to liquidity coverage requirements



Currency distribution





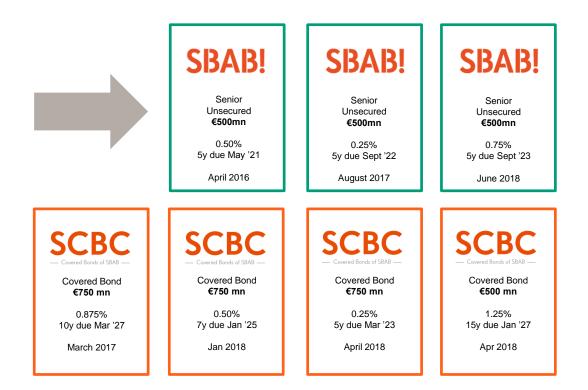
Securities type

CB GGB PSE SOV SSA

# **Funding programme**

- Total long term funding for 2018 expected to approximately SEK 70 bn and around SEK 60 bn in 2019
- Overall strategy is to long term maintain presence and regularity in core funding markets (predominantly EUR and SEK)
  - New SEK covered bond benchmark/benchmarks per year
  - One EUR covered transaction in international funding markets per year
  - One EUR public senior preferred in international funding markets per year
  - Private placements in SEK and international funding markets
- · Senior non preferred issuances SEK issuance, EUR and other currencies as a complement
- Capital issuances (AT1 & T2) predominately in SEK
- SBAB's focus is to use intermediate (5y+) tenors to support duration
- **Regular future issuance:** Dedicated to SEK and expected to return to EUR senior and covered bond market once a year going forward

### **Regular presence in EUR market**



# Key highlights SBAB

• **100%** owned by the Kingdom of Sweden

- Extremely low risk business purely Swedish mortgage portfolio, predominantly residential mortgages; extremely low loan losses
- Sustainable profitability
- Competitive cost income ratio
- Strong liquidity position
- Solid capitalization
- Deposit growth
- · Stable funding mix with good access to both domestic and international capital markets
- · International funding diversification strategically important
- Regular future issuance



### **Contact information**

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Information on the Internet:	www.sbab.com www.scbc.se www.ascb.se - Association of Swedish Covered Bond iss	suers
Bloomberg codes:	SBAB Corp - joint code both for SBAB and SCBC	



# APPENDIX I. SCBC

### The SCBC product

### - The limited activites of SCBC provide additional benefits to investors

Robust structure	<ul> <li>Strength of a regulated entity combined with a restricted activity vehicle reduces number of other potential creditors</li> <li>As a result, in addition to the eligible assets, investors also benefit from over-collateralisation provided by:         <ul> <li>Non-eligible assets</li> <li>Regulatory capital held by SCBC</li> </ul> </li> </ul>
Subordination of SBAB interests	<ul> <li>Fees for services provided by SBAB are subordinated to SCBC's senior creditors</li> <li>Where a mortgage certificate serves as collateral for 2 different mortgage loans, SBAB has subordinated its interest to SCBC</li> </ul>
Loans in arrears	Loans 30 days in arrears are normally removed from the cover pool in SCBC
Other features	<ul> <li>Dynamic OC in compliance with Aaa requirements</li> <li>UCITS Compliant</li> <li>Swedish covered bonds are eligible for repo at Riksbank</li> <li>ECBC Harmonised Transparency Template, HTT</li> <li>National Template, NTT</li> </ul>

### **SCBC Cover Pool**

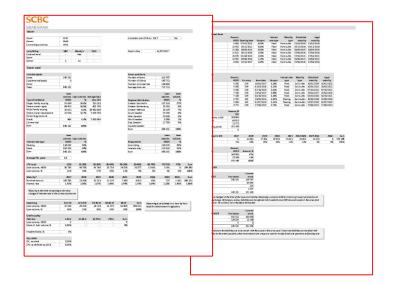
- Key characteristics as of 30 Sep 2018

Collateral	100% Swedish residential mortgages *	
Over Collateralization	29.7%	
Weighted average LTV	55.4%	
Weighted average seasoning	4.7 years	
Loans in arrears	Arrears below 0.01% (loans in arrears > 30 days are excluded from the Cover Pool)	
Number of loans	406 523	
Average loan size	SEK 743 281	
Geographical location	Spread throughout Sweden; concentrated in economic hubs	
Pool type	Dynamic	
Originator	SBAB Bank Group	
Interest rate type	67% floating, 33% fixed / 52% amortising, 48% interest only	

\* Occasionally, minor volumes of substitute collateral consisting of AAA rated securities, can be included in the cover pool

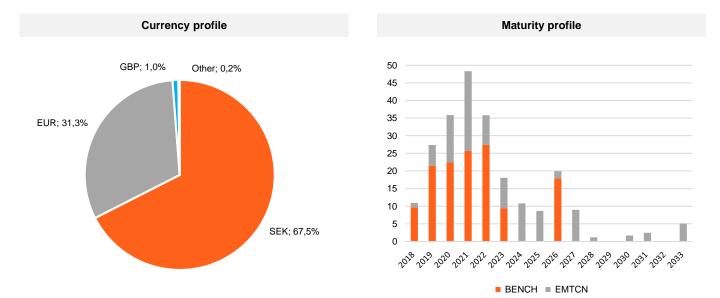
### **National Template**

Details published monthly on: www.sbab.com (both in PDF and Excel-format)



# **SCBC** funding

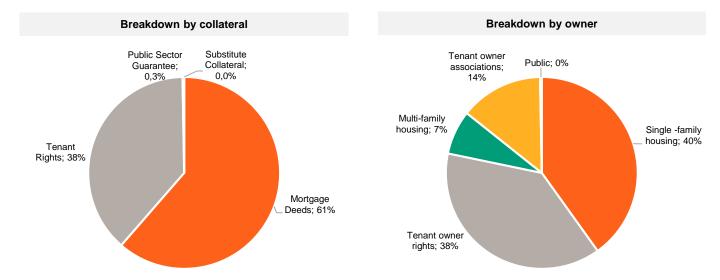
- Total covered bonds outstanding SEK 235bn (as of 30th September 2018)





### **SCBC Cover Pool**

- Distribution by Collateral and Owner (as of 30<sup>th</sup> September 2018)



### - OC changes with houseprice valuations

- Lending is originated from SBAB and assets are transferred to the cover pool via true sale typically once a year or when needed according to funding plan
- Large buffer to a significant fall in house prices simulation of decline in house prices and the corresponding effect on eligible assets, LTV and OC is shown in the table below as of 30 September 2018

Houseprice change	Eligible assets in cover pool (SEK bn)	WA LTV (%)	OC* (%)
0%	301,2	55,4	30,8
-5%	297,9	57,3	29,4
-10%	293,6	59,0	27,6
-15%	287,9	60,7	25,1
-20%	280,4	62,2	21,9
-25%	270,9	63,6	17,8
-30%	258,0	64,8	12,2

\* OC calculated in accordance with requirements from the Swedish FSA

### The Swedish covered bond market

- One of the best functioning bond markets in the world

- The bond market has been open and well functioning throughout the crisis, providing reliability and liquidity.
- Key distinction of the market is the tap issuance format via contracted market makers. Tap issuances can be made on a daily basis in small to medium sizes.
- Market is supported by market makers with separate market making agreements and repo functionality providing issuers with enhanced liability management options.
- Typically issuers start reducing their outstanding debt about 6-9 months before maturity via successive buy-backs and switches

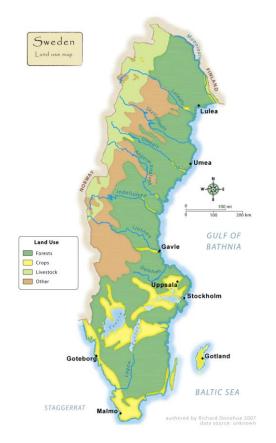
# APPENDIX II. SWEDISH KEY ECONOMIC FIGURES

### **Kingdom of Sweden**



- Area: 450 295 sq km
- Population: 10 151 588 (April 2018)
- Urban population: 85% of total population
- 21 Counties, 290 Municipalities
- Capital: Stockholm
- Constitutional monarchy
- Unicameral Parliament (Riksdag) with 349 seats
- Elections: last held on 14 September 2014 (next to be held on 9 September 2018)
- Government: Social Democrats (S), Left Party (V) and the Green Party (MP)
- The Swedish economy rests on a capitalist system mixed with public-private partnership, centralized wage negotiations and substantial welfare elements
- Sweden has one of the world's highest per capita income (IMF)

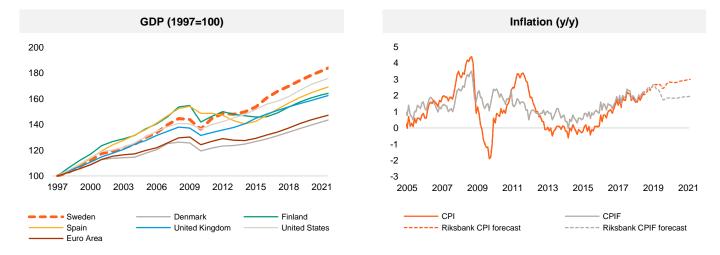
### **Kingdom of Sweden**



- Approx. 45% of GDP is exported. Largest goods trading partners are the Scandinavian countries, Germany, Netherlands and the UK
- Sweden joined the EU in 1995, but the euro was rejected in a public referendum 2003
- The currency, the krona, has been floating since 1992 when the fixed exchange rate regime was abandoned
- The central bank, Sveriges Riksbank, operates monetary policy under an inflation target of 2%, +/- 1%
- Sweden ranks third in The Economist's Democracy Index 2016, fourteenth in the United Nations' Human Development Index 2016, sixth in the World Economic Forum Global Competitiveness Index 2016/17 and second in the Global Innovation Index 2016

### **Growth and inflation**

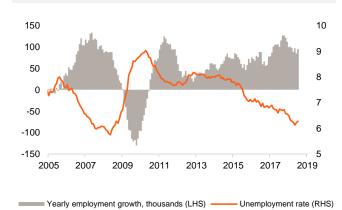
- The economy has been characterized by strong domestic demand, stable public finances, strong population growth, increasing
  employment, low inflation, low interest rates and rising house prices over the past years. Export demand has been picking up over
  the latest quarters
- Average annual GDP-growth has been 2.3% over the last 15 years vs 1.1% in the Euro area
  - GDP growth is expected to rise from 2.4% in 2017 to 2.6% in 2018 and then fall back to 2.2% in 2019 (IMF, July 2018)
- Average inflation has been 1.1% over the last 15 years, well below the target of 2%
  - CPI inflation of about 1.5% is expected in 2018 (IMF, September 2017)



# Strong domestic economy

- Stable public finances, low inflation, low interest rates and rising house prices has stimulated the domestic economy over the past years
  - Retail sales has risen by more than 50% since 2005
- · The labor market has strengthened
  - Employment has increased by on average 1.0% per year and hours worked by the same over the past ten years. The activity rate (16-64y) has increased from 76% in 2007 to 79% in the beginning of 2018

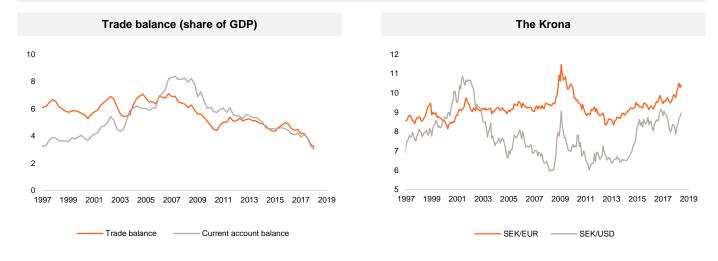




#### **Unemployment Rate and Employment Growth**

### Foreign trade and the Krona

- Very strong current account
  - Exports amount to equivalent to 45% of GDP. Foreign trade balance has been positive since the mid-1990s
- The Krona has been floating since 1992
  - As a fairly small currency it is rather sensitive to changes in international risk appetite and business flows. It has however historically been highly correlated with the Euro
- The Krona is weaker than its historical average...
  - ...if compared to a trade weighted basket. Factors contributing to a strong krona are a strong current account, high relative growth, solid public finances while low interest rates are dampening the krona



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