

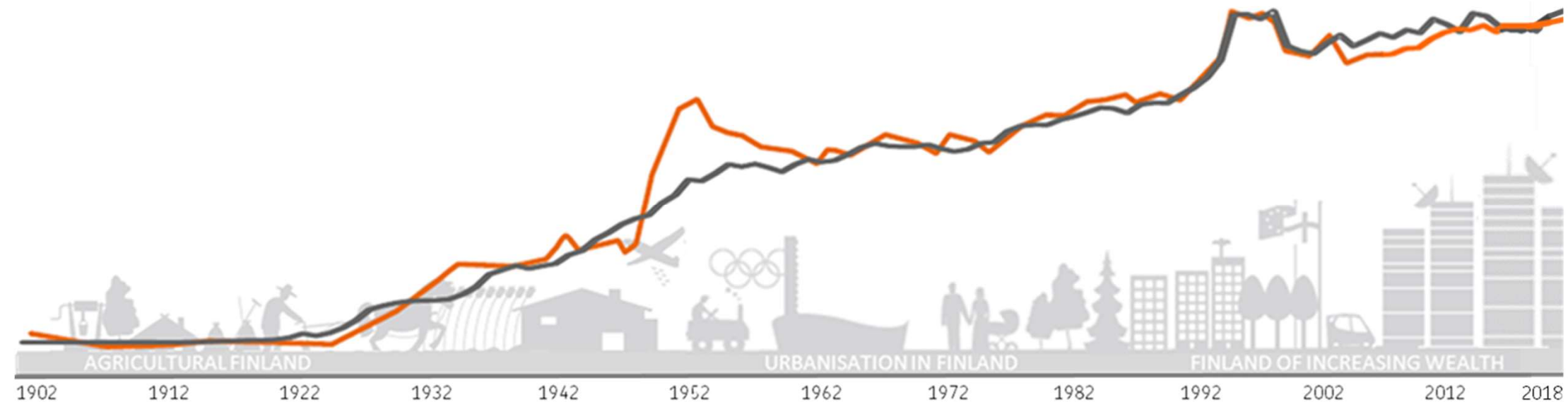
Debt Investor Presentation H1/2019

OP Financial Group and issuing entities
OP Corporate Bank plc and OP Mortgage Bank

OP's market shares in 2018

www.op.fi/debtinvestors

Deposits 38.4%
Loans 35.5%



Disclaimer

Certain statements in this presentation are based on the beliefs of our management as well as assumptions made by and information currently available to the management. All forward-looking statements in this presentation expressing the management's expectations, beliefs, estimates, forecasts, projections and assumptions are based on the current view of the future development in the operating environment and the future financial performance of OP Financial Group and its various functions. No assurance can be given that such expectations will prove to have been correct. Accordingly, results may differ materially from those set out in the forward-looking statements as a result of various factors. OP Financial Group has used sources of information which it considers to be reliable, and the accuracy and reliability of which it has sought to establish to the best of its ability, but it can nevertheless not guarantee their accuracy or reliability.

A number of different factors may cause the actual performance to deviate significantly from the forward-looking statements in the presentations. Our financial reports also describe risks and factors that could affect our future performance and the industry in which we operate. Should one or more of these risks or uncertainties materialise or should any underlying assumptions prove to be incorrect, our actual financial position or results of operations could materially differ from that presented as anticipated, believed, estimated or expected. The views and other information provided are current as of the date of when such information was provided and may be subject to change without notice. OP Financial Group does not undertake and is not under any obligation to update any of the forward-looking statements or to conform such statements to actual results, except as may be required by law or applicable stock exchange regulations.

Past performance is no guide to future performance. Persons needing advice should consult an independent financial, legal or tax adviser.

Contents

- OP Financial Group in brief
- Key financials H1/2019
- Finnish economy
- OP Financial Group
 - Structure, joint liability and market shares
 - Strategy, competitive advantages and digitalisation
 - CSR programme
 - Capitalisation, financial performance and asset quality
 - Credit ratings, liquidity and funding
- OP Mortgage Bank
- OPMB Cover Asset Pool Characteristics and ECBC Harmonised Transparency Template
- Appendix
- Debt IR contacts

Co-operative OP Financial Group in brief

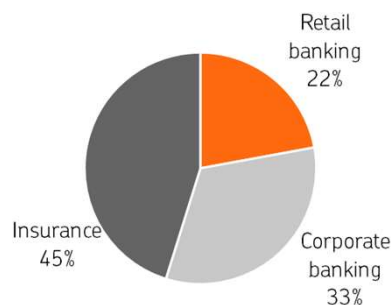
TOTAL ASSETS

€144 bn

end-June 2019

DIVERSIFIED EBT

(generated by the business lines in H1/19)



JOINT LIABILITY

Central institution, OP Cooperative, and the member credit institutions (incl. both issuing entities) of the amalgamation are jointly liable for each others' debts and commitments, by virtue of the Finnish law.

SOLID CAPITAL POSITION

19.5%

CET1 ratio
at end-June
2019

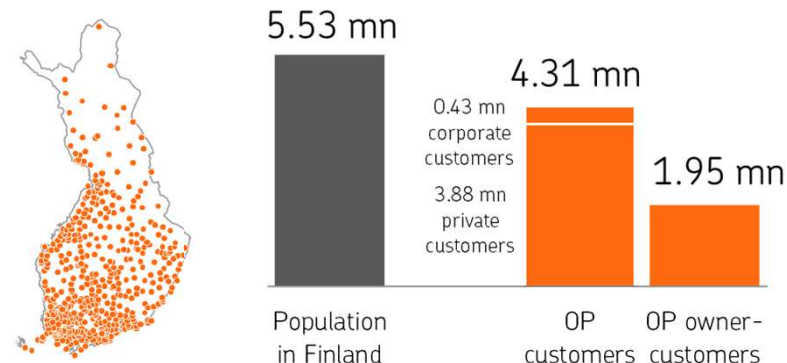
21.2%

Total capital ratio
at end-June
2019

8.4%

Leverage ratio
at end-June
2019

FINNISH RISK EXPOSURE



MARKET LEADER IN FINLAND

35.5%

Market share
in Loans
2018

38.4%

Market share
in Deposits
2018

33.6%

Market share
in Non-life
Insurance 2018

26.4%

Market share
in Life Insurance
2018

HIGH CREDIT RATINGS

Moody's Aa3
S&P AA-

OP Corporate Bank
plc

Moody's Aaa
S&P AAA

OP Mortgage Bank's
covered bonds

Key financials H1/2019

MAIN P&L LINE ITEMS

Group EBT
€415 mn
 (-3%)

Retail banking EBT **€94 mn (-23%)**
 Corporate banking EBT **€139 mn (-34%)**
 Insurance EBT **€192 mn (+38%)**
 Other operations EBT **€-10 mn**

Total income
€1,598 mn
 (+5%)

NII **€587 mn (+3%)**
 Net insurance income **€274 mn (-2%)**
 Net commissions and fees **€450 mn (+1%)**
 Net investment income **€252 mn (+22%)**

Total expenses
€953 mn
 (-0%)

Personnel costs **€404 mn (-2%)**
 Development cost impact **€91 mn (110)**
 €100 mn Savings Programme 2019:
€71 mn cost savings to be achieved by
YE2019 through measures taken by end-
June 2019

VOLUMES (H1/19 growth)

Home loans
€39.1 bn (+1%)
 Corporate loans
€21.7 bn (+3%)
 Housing company loans
€8.7 bn (+7%)

Loans, total
€89.7 bn (+3%)
 Deposits, total
€63.3 bn (+3%)

Insurance premium revenue (y-on-y
 growth)
€726 mn (-1%,
+4% excluding the Baltic business sold in 2018)

Assets under management
€77.6 bn (+8%)

OUTLOOK 2019

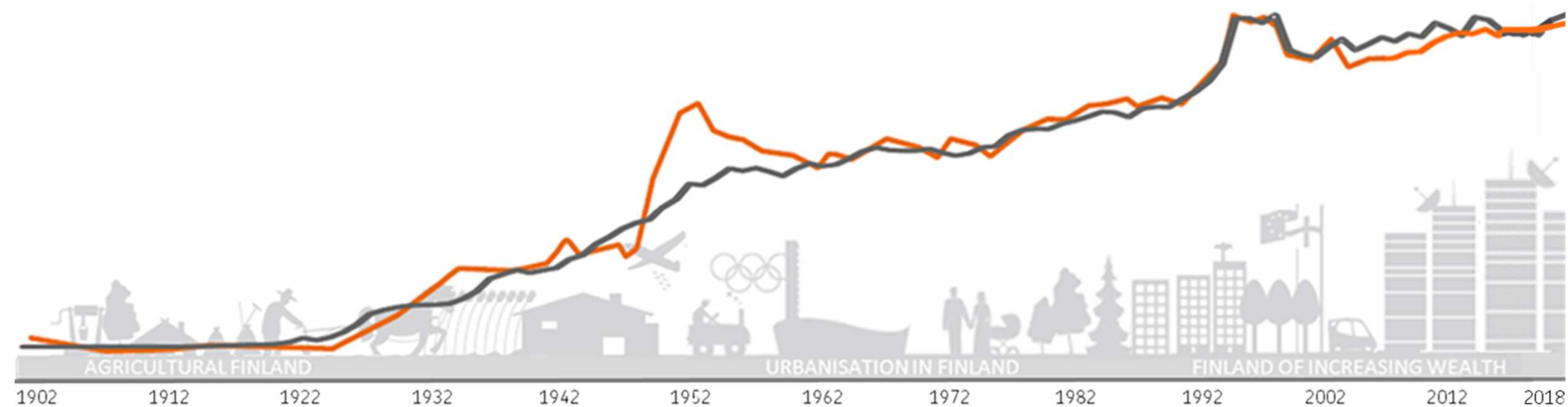
In 2019, OP's
 EBT is expected
 to be lower than
 in 2018

The most significant
 uncertainties
 concerning earnings
 are associated with
 changes in the interest
 rate and investment
 environment, market
 growth pace, changes
 in the competitive
 environment as well as
 impairment losses.

OP's market shares in 2018

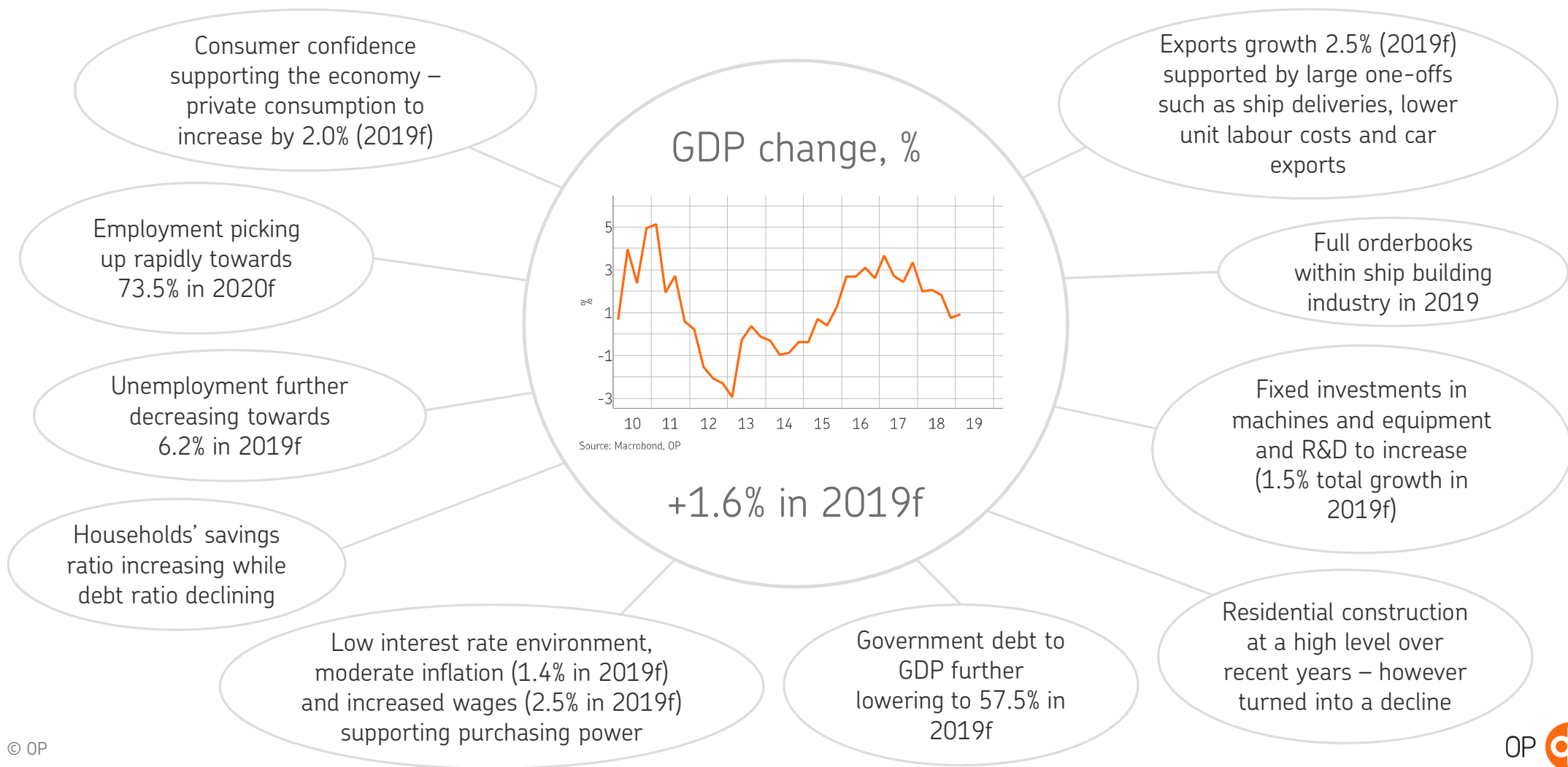
Deposits 38.4%

Loans 35.5%



Finnish economy

Moderate economic development in Finland in 2019



Finnish economy to grow by 1.6% in 2019f

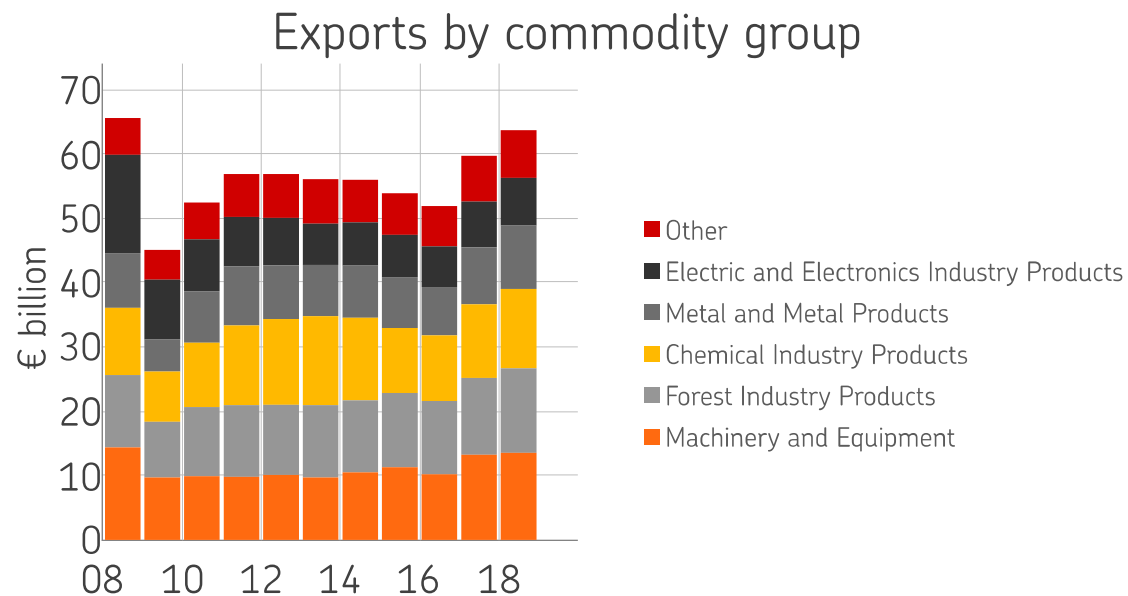
Forecasts for the Finnish economy, May 2019

	EUR bn				
Volume, % change on previous year	2018	2017	2018	2019f	2020f
GDP	233,6	3,0	1,7	1,6	0,8
Imports	92,3	4,0	4,1	2,3	1,5
Exports	91,0	7,6	1,1	2,5	0,7
Consumption	177,9	0,7	1,8	1,7	1,2
- Private	124,8	1,2	2,0	2,0	1,3
- Public	53,0	-0,3	1,4	1,0	1,0
Fixed investment	52,6	5,2	3,1	1,5	1,0
Other key indicators		2017	2018	2019f	2020f
Consumer price index, % change y/y		0,7	1,1	1,4	1,5
Change in wage and salary earnings, %		0,2	1,8	2,5	2,5
Unemployment rate, %		8,6	7,4	6,2	6,2
Current account balance, % of GDP		-0,3	-1,9	-1,5	-1,6
General government net lending, % of GDP		-0,8	-0,7	0,0	0,0
General government debt, % of GDP		61,3	58,9	57,5	56,7

Finland is an exports-driven economy – around 40% of GDP derives from exports

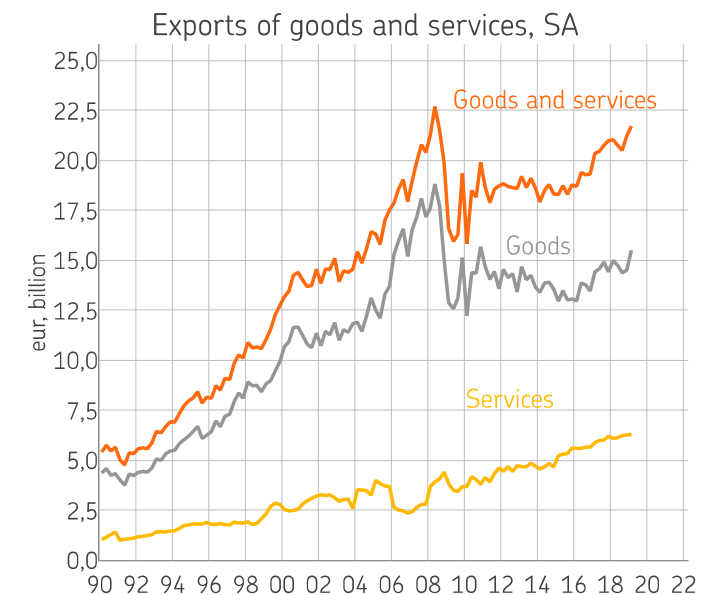
Balanced goods exports structure by commodity group

Goods exports by commodity group
commodity group 2008–18



Source: Macrobond, Finnish Customs

Goods exports around 2/3 of
Finnish exports

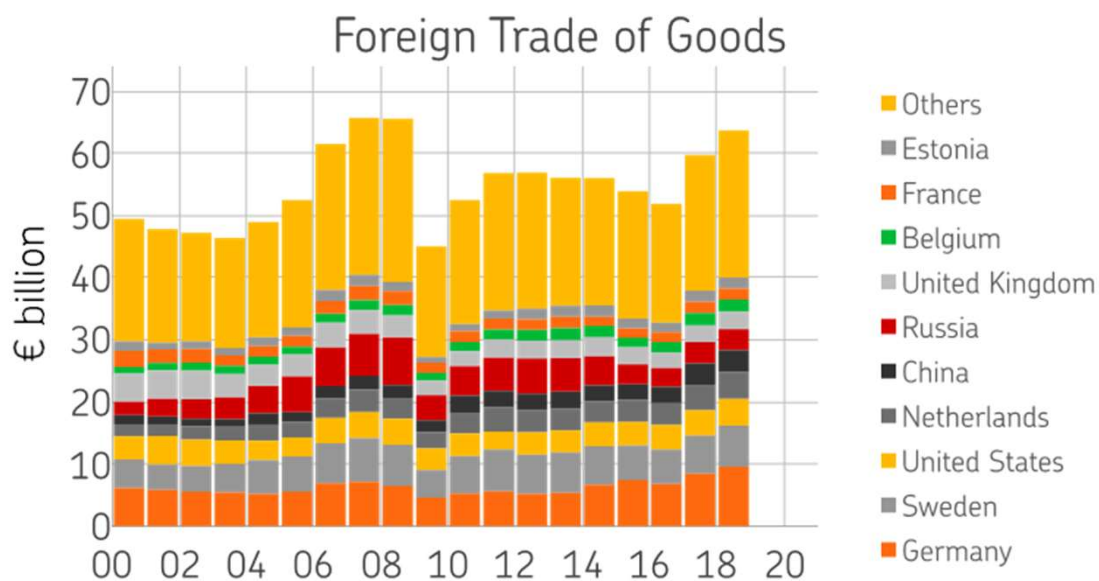


Source: Macrobond, OP
Latest values: Q1/2019

Diversified goods exports structure by country

Goods exports to EU member countries 60.0% and to Euro Area 39.6% in Jan.-Apr. 2019

Finland's largest goods exports countries
2000-18



Source: Macrobond, OP

Finland's biggest trading partners
(April 2018–April 2019, 12 mth moving avg)

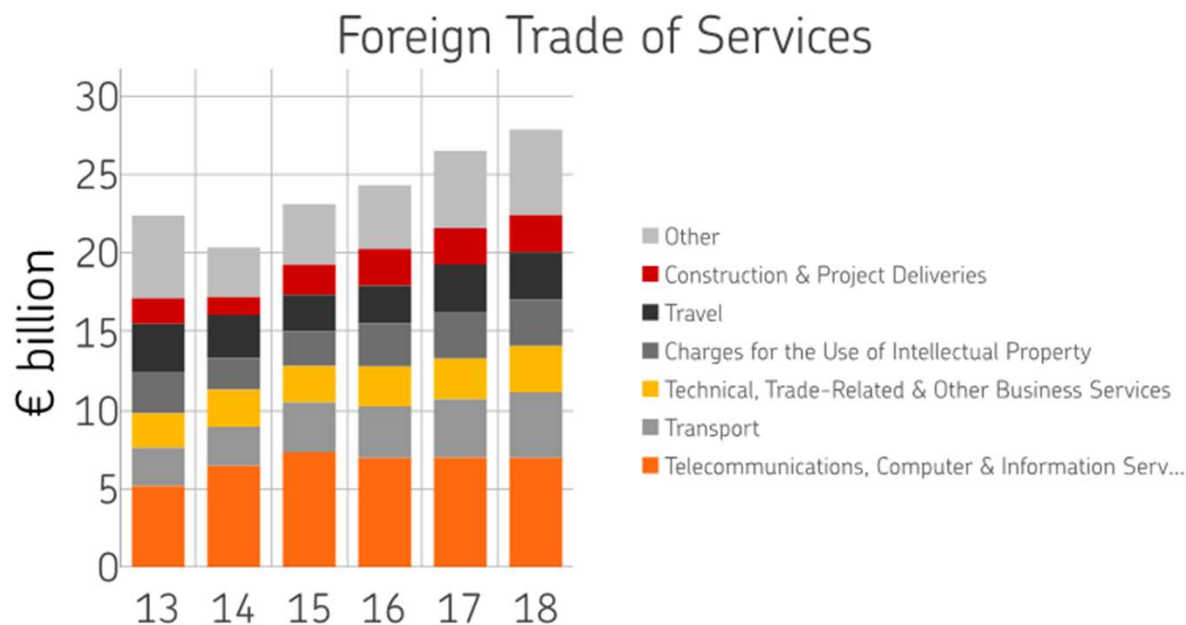


Source: Macrobond, OP

* Poland (2.7%), Japan (2.4%), Italy (2.2%), Denmark (1.7%), Spain (1.7%), South Korea (1.4%), Switzerland (1.1%), Turkey (1.1%), Australia (1.0%), Canada (1.0%), Latvia (1.0%), Lithuania (0.9%), India (0.8%), Austria (0.6%), Mexico (0.6%), Indonesia (0.6%), Czech Republic (0.5%), Brazil (0.5%), Hungary (0.5%), and the remaining countries (11.9%) of which less than 0.5% each.

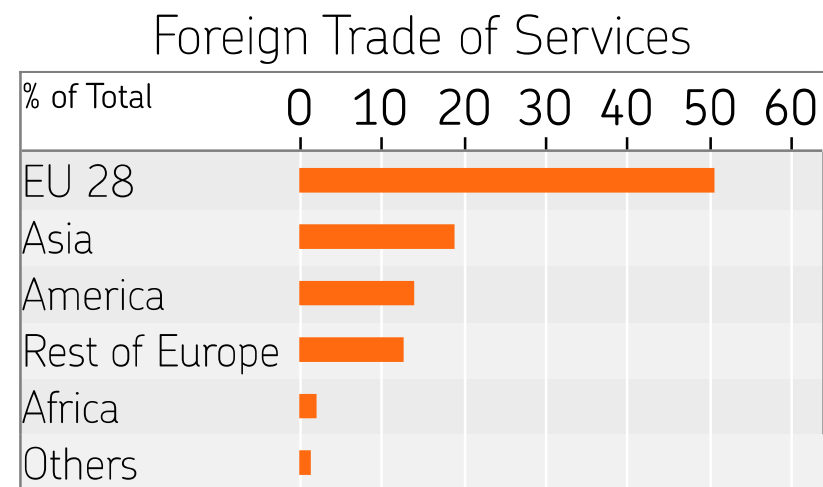
Service exports structure rather stable

Finland's service exports by item
2013–18



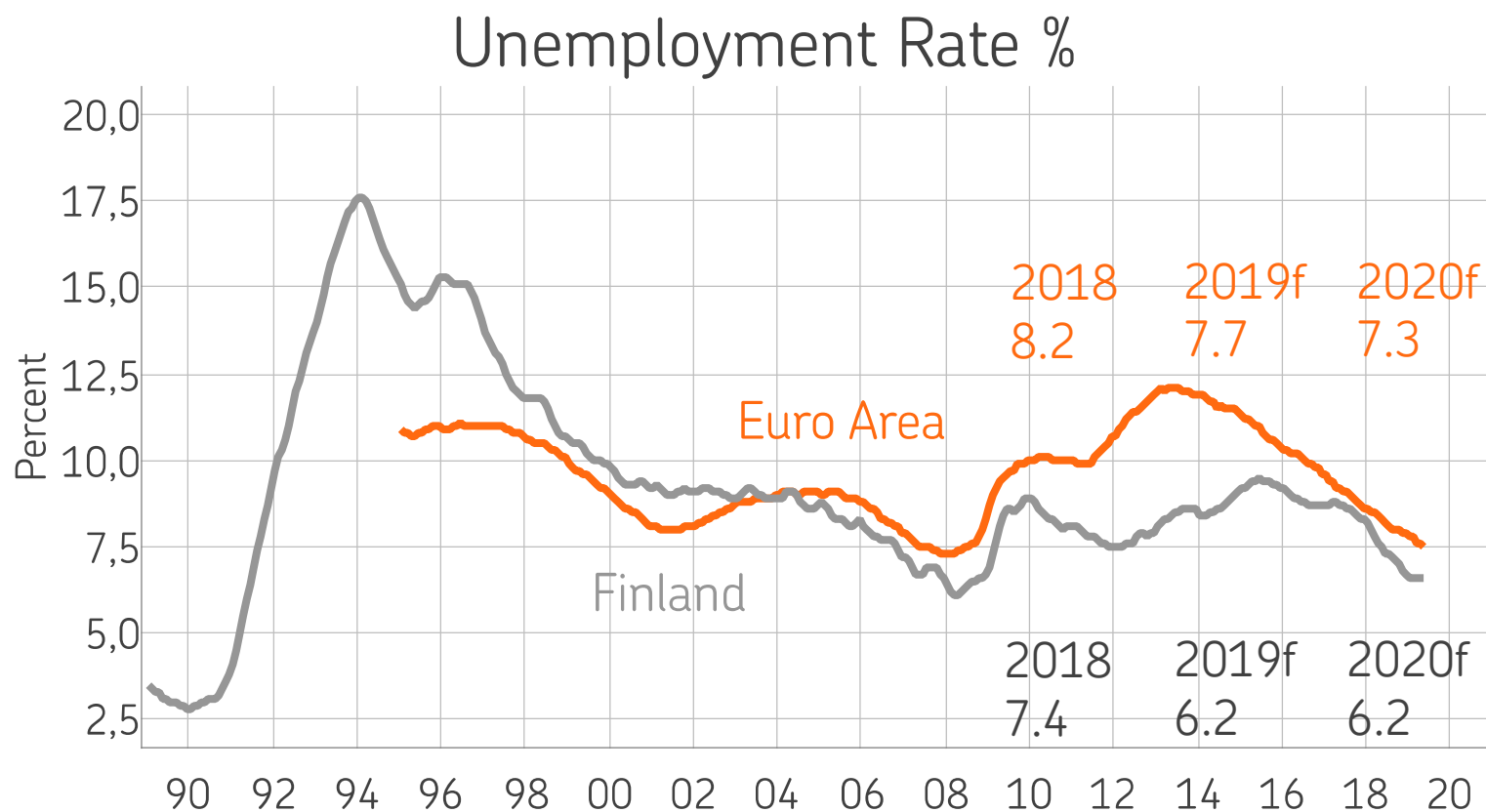
Source: Macrobond, OP

Finland's service exports by area
(2018)



Source: Macrobond, OP

Unemployment rate falling faster than expected

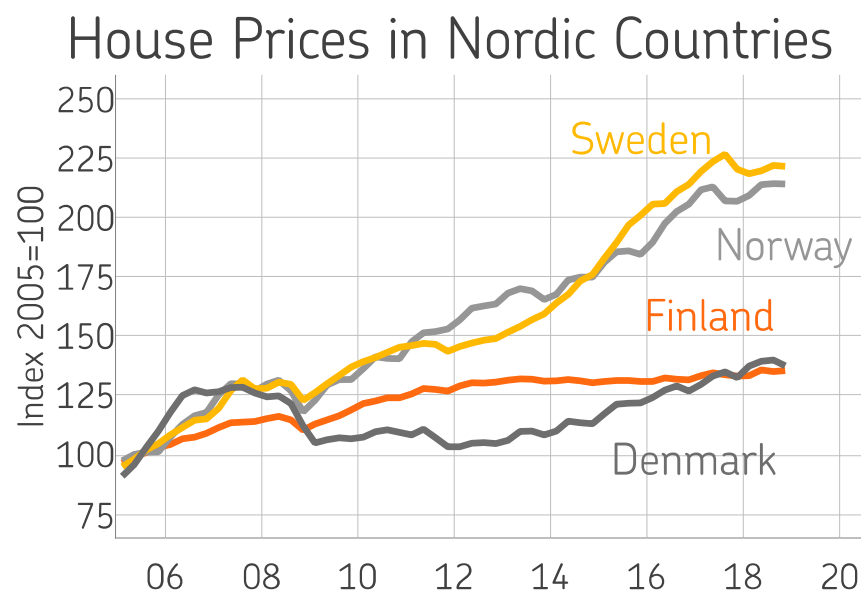


Employment
picking up
rapidly:
**73.5% in
2020f**

Source: Macrobond, OP

Average house prices and households' debt

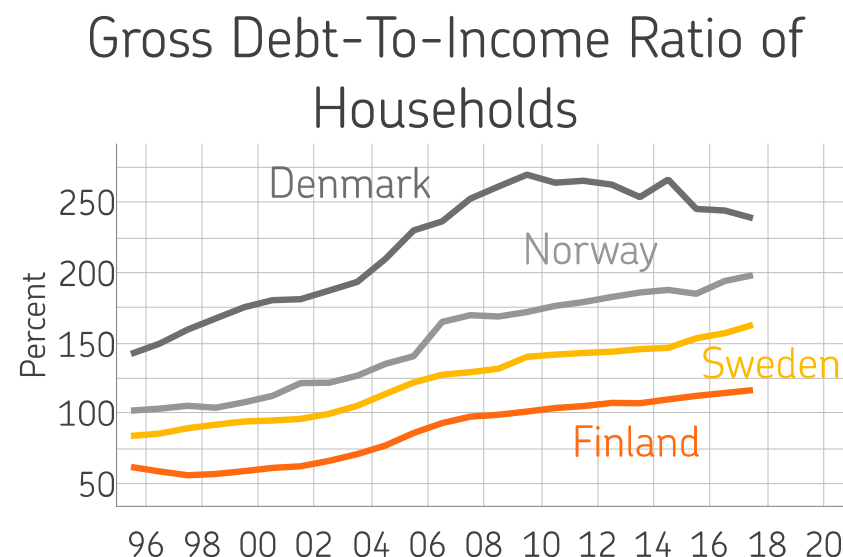
In Finland, housing market picking up and average house prices estimated to increase by 0–2% in 2019



Source: Macrobond, OP, Eurostat

The House Price Index (HPI) measures price changes of all residential properties purchased by households (flats, detached houses, terraced houses, etc.), both new and existing.

Latest values: Q4/2018



Source: Macrobond, OP

Gross debt-to-income ratio of households is defined as liabilities divided by gross disposable income with the latter being adjusted for the net change in pension entitlements.

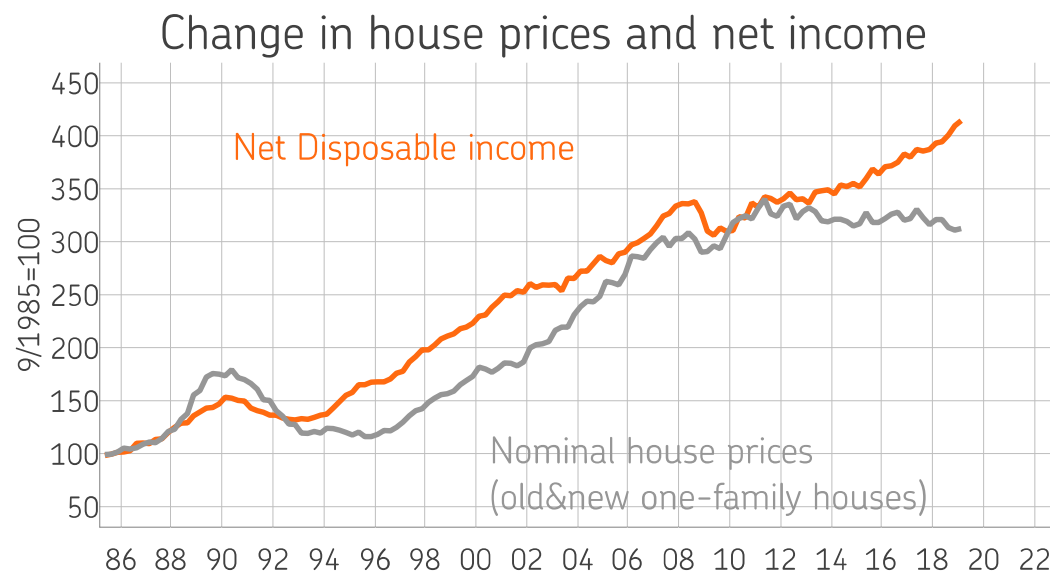
Latest values: 2017

Finnish housing market is stable

Characteristics of Finnish housing market

- Fully-amortizing market
- Average maturity of a new home loan 19 years 11 months in March 2019
- 97.6% of home loans tied to variable interest rates in May 2019
 - Stress-tested with 6% interest rate in 25 years' maturity at OP
- Ownership ratio 72% at YE2017
 - Rental market: 44% municipalities, 35% private investors (households) and 21% professional investors at YE2016
- Average price of an old dwelling 2,126 €/sq m in May 2019 (-1.0% y-o-y, preliminary information)
 - 3,780 €/sq m in Helsinki Metropolitan Area (+0.5%)
 - 1,640 €/sq m in rest of Finland (-2.5%)

Change in nominal house prices in relation to average net income



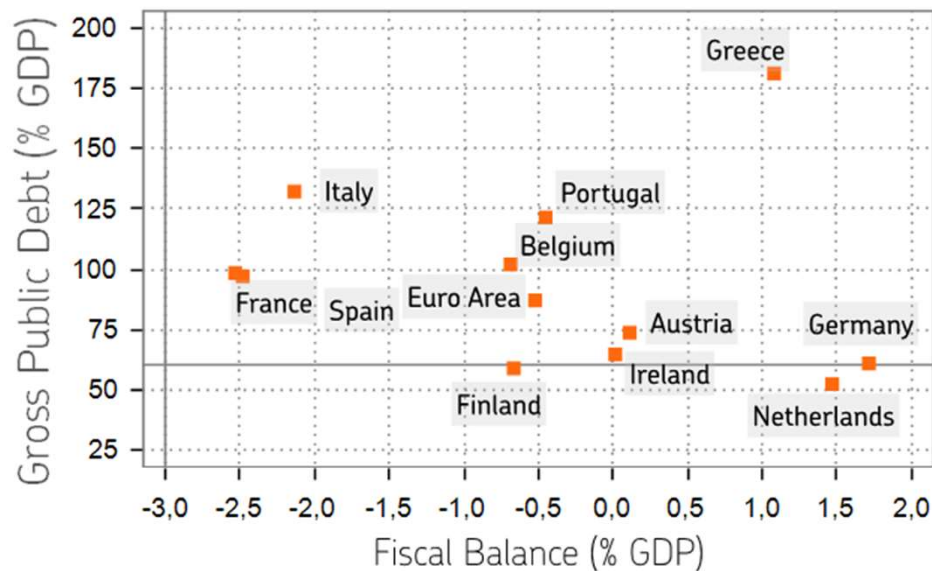
Source: Macrobond, OP

Updated: 25 July 2019

Sources: Statistics Finland and Bank of Finland

Finland is wealthy and balanced economy in European comparison

Fiscal Balance and Public Debt
% of GDP in 2018



Source: OP, Macrobond, European Commission estimates

Long-term sovereign credit ratings of selected European countries

25 July 2019

	Moody's	S&P	Fitch
Germany	Aaa	AAA	AAA
Netherlands	Aaa	AAA	AAA
Austria	Aa1	AA+	AA+*
Finland	Aa1	AA+	AA+*
France	Aa2*	AA	AA
Belgium	Aa3	AA	AA-
Ireland	A2	A+	A+
Spain	Baa1	A-*	A-
Italy	Baa3	BBB**	BBB**
Portugal	Baa3	BBB	BBB**
Greece	B1	B+*	BB-

* Positive outlook

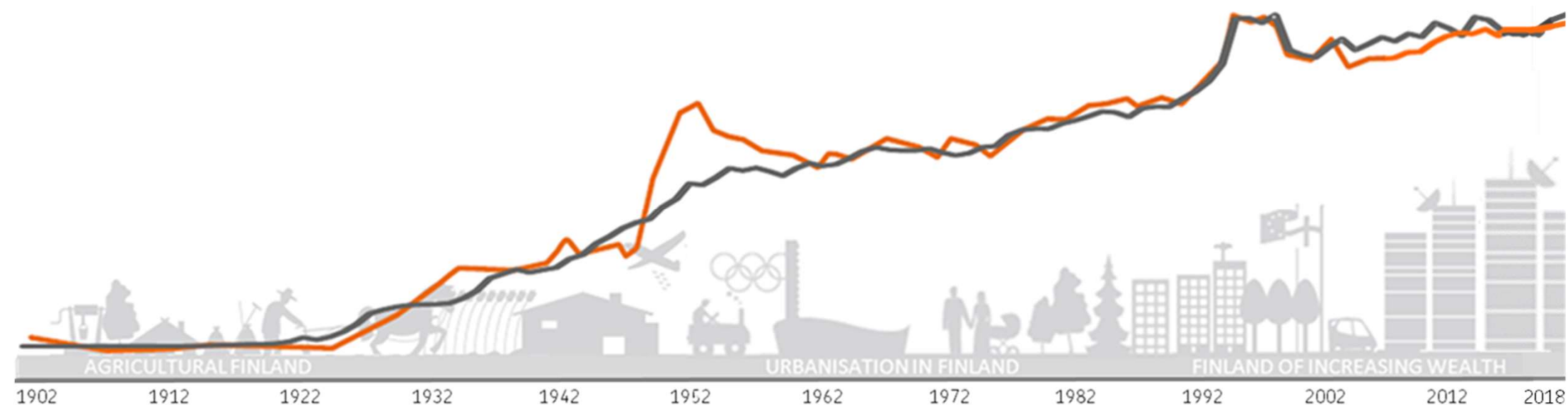
** Negative outlook

Sources: Rating agencies' websites

OP's market shares in 2018

Deposits 38.4%

Loans 35.5%



OP Financial Group

OP Financial Group's structure

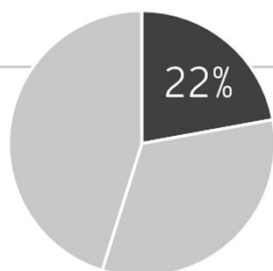
1.95 million owner-customers, of which 90% households

153 OP member cooperative banks

OP COOPERATIVE

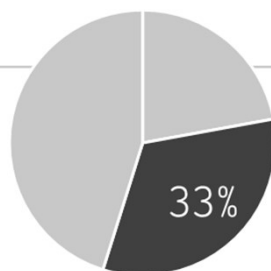
RETAIL BANKING (incl. OP Mortgage Bank)

- Retail & SME banking
- Mortgage banking
- part of Private wealth management



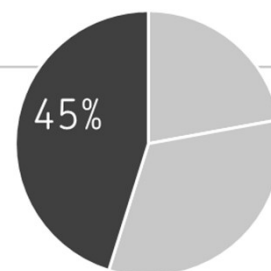
CORPORATE BANKING (incl. OP Corporate Bank)

- Corporate banking (incl. Baltics)
- Wealth management



INSURANCE

- Private & Corporate customers
- Non-life insurance
- Life insurance
- Health & wellbeing



OTHER OPERATIONS

- Support functions
- Product and service development
- Group Treasury

EBT generated by the business lines in H1/19

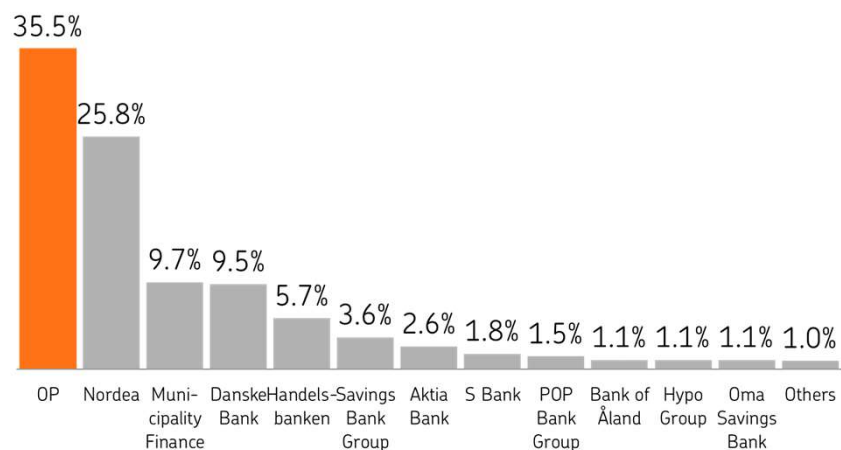
Joint liability within OP Financial Group

- Under the Act on the Amalgamation of Deposit Banks (*Laki talletuspankkien yhteenliittymästä 599/2010*), OP Cooperative and the member credit institutions are jointly liable for each others' debts.
- The member credit institutions include OP Corporate Bank plc, Helsinki Area Cooperative Bank, OP Mortgage Bank, OP Card Company Plc, OP Customer Services Ltd* and the member cooperative banks. Insurance companies or other group entities do not fall within the scope of joint liability.
 - If a creditor has not received payment from a member credit institution on a due debt, the creditor may demand payment from OP Cooperative.
 - The member credit institutions must pay proportionate shares of the amount OP Cooperative has paid, and upon insolvency of OP Cooperative they have an unlimited liability to pay the debts of OP Cooperative.
 - OP Cooperative and the member credit institutions are under an obligation to take support actions to prevent a member credit institution's liquidation.
- Further information on the joint liability available in the Base Prospectuses of OP Corporate Bank plc and OP Mortgage Bank.

* OP Customer Services Ltd is planned to be merged into OP Card Company Plc on 30 November 2019

OP – Leading financial group in Finland

Loans, 2018 (Finland: €236 bn)



OP's market share in 2018:

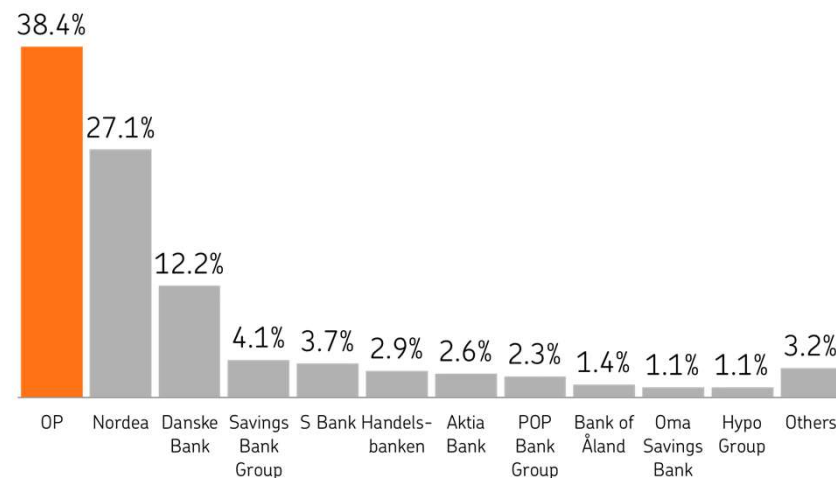
Home loans

39.5%

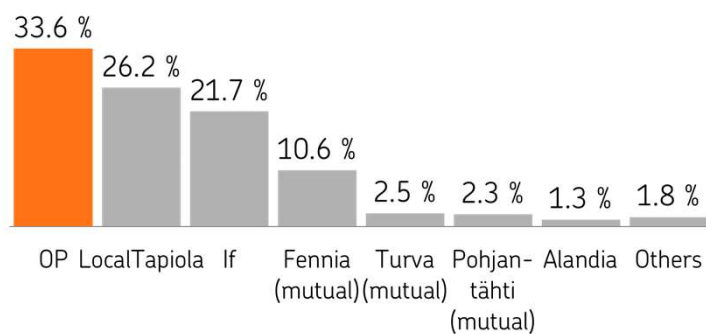
Corporate loans

39.6%

Deposits, 2018 (Finland: €158 bn)

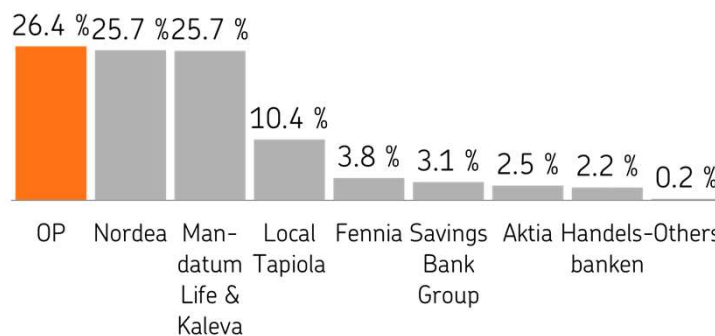


Non-life Insurance, 2018 (Finland: €4.3 bn)



Market share of premiums written under Finnish direct insurance

Life Insurance, 2018 (Finland: €4.3 bn)



Market share of gross premiums written

Source: Bank of Finland (Loans and Deposits) and Finance Finland (Non-life Insurance and Life Insurance)

OP's strategy based on customer focus

Vision: The leading and most attractive financial services group in Finland

Strategy affirmed in June 2019

- OP is moving towards a continuous strategy process in which the strategy is constantly being reshaped, reformulated and implemented
- Operating environment and operating model is systematically evaluated
- Strategic priorities will be specified annually
- Strategic targets (p. 72) will be affirmed in the autumn 2019 and indicators for measuring implementation of strategic priorities in accordance with annual planning for 2020

Strategic priorities for 2020



BEST CUSTOMER EXPERIENCE



MORE BENEFIT FOR OWNER-CUSTOMERS



EXCELLENT EMPLOYEE EXPERIENCE



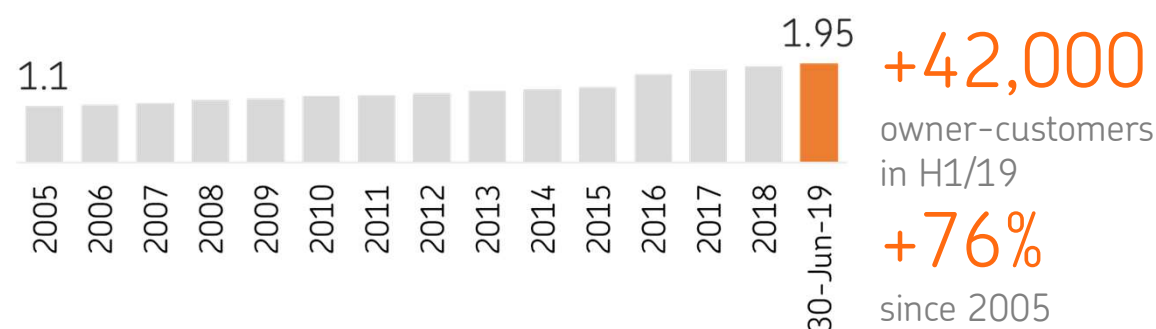
FASTER GROWTH IN PROFITS THAN IN EXPENSES



PRODUCTIVE DEVELOPMENT

Growth in number of owner-customers and successful cross-selling supported by attractive loyalty benefits

Solid growth in number of owner-customers, mn



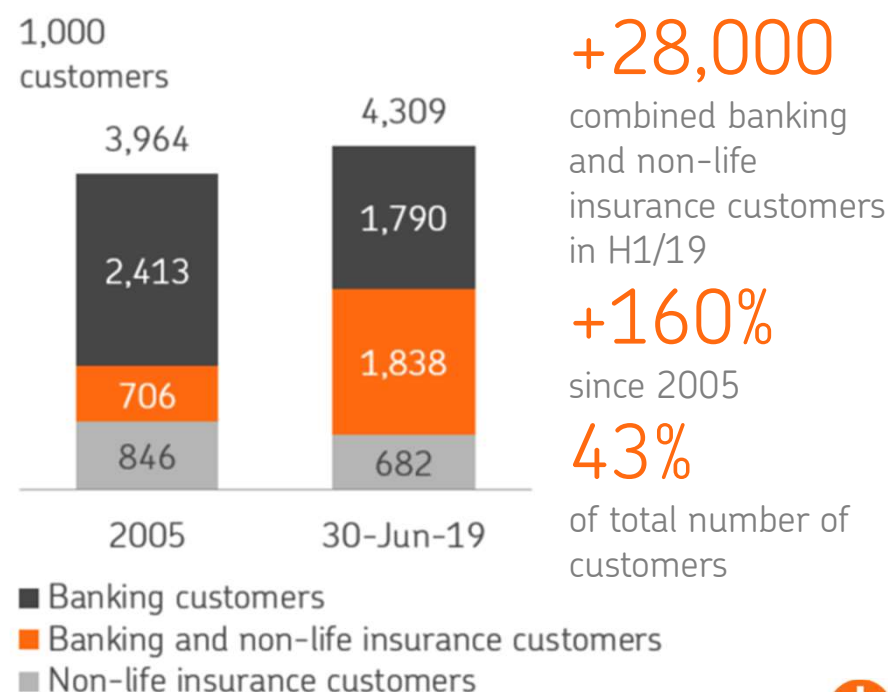
Owner-customer* value through attractive loyalty benefits

- Accrued OP Bonuses** €129 mn in H1/19 – use of bonuses €57 mn to banking and wealth management services and €61 mn to insurance policies
- Investments in Profit Shares €3.0 bn and estimated accrued interests €48 mn in H1/19 – Return target 3.25% in 2019
- Daily banking discount – total benefit €16 mn in H1/19
- Non-life insurance loyalty discount – total benefit €34 mn in H1/19
- Selling, buying and trading of most mutual funds free of charge – total benefit €3 mn in H1/19

* Membership fee varies depending on the OP cooperative bank (eg. 100€ at Helsinki Area Cooperative Bank)

** An owner-customer's loans, savings, investments and insurance premiums generate OP bonuses 0.25% of monthly transactions

Successful integration of banking and non-life insurance customerships



Development activities aiming to improve CX

€2 bn development investments during 2016–2020 – total development expenditure €157 mn in H1/19 (215)



Group

- Agile process automation and service digitisation
- ICT architecture renewal
- Increasing competence in the field of UX/UI, service design, AI, analytics, big data, block chain, robotics, voice control etc.



Banking – Private & SME Customers

- Digital home and corporate loan applications and offers supported by AI (47% of home loans applied for in digital channels, NPS 62)
- Digital platforms for real estate business and home sales
- Core system upgrade within payment transfers, card business and private customer financing



Banking – Corporate & Institutional Customers

- Improvements to corporate service offering and processes
- Better customer service showed in NPS improvement and Prospera Corporate Banking 2018 survey – Largest Finnish companies selected OP Corporate Bank as the best bank in Finland
- Corporate banking core system upgrade and mutual fund system renewal



Insurance – Private & Corporate Customers

- Digital insurance card
- Developing online and mobile services in both insurance sales and claims reporting
- AI utilisation in claims handling process
- Insurance core system upgrades
- 5 Pohjola Health hospitals

Mobile becoming OP's key channel with over 1.5 mn users (all mobile services)

OP Mobile App

>141 mn logins in H1/19
+26% y-on-y
>1 mn users

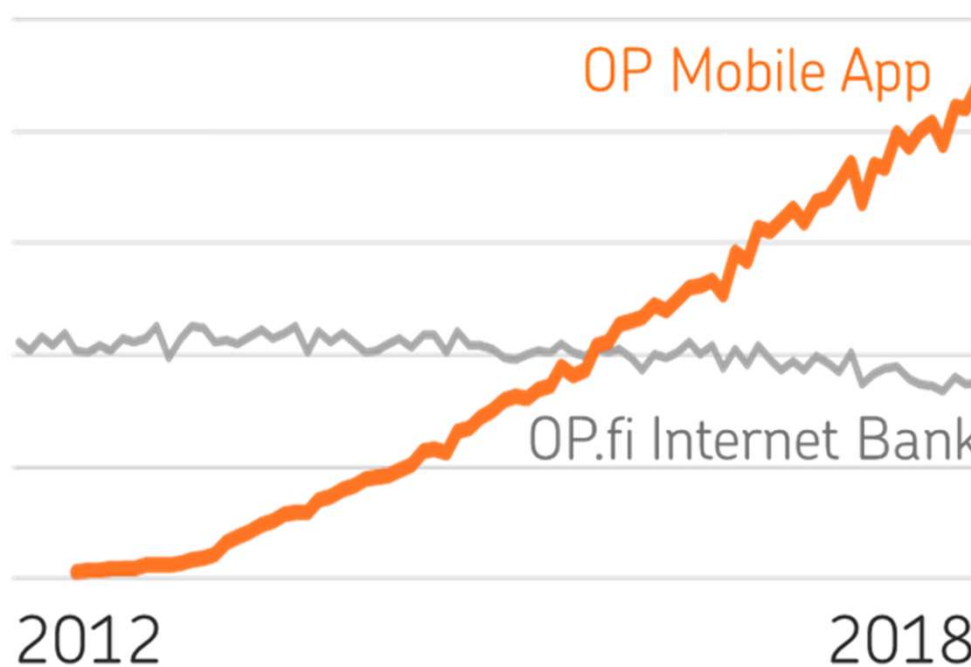
OP Business Mobile App

>4 mn logins in H1/19
+72% y-on-y

Pivo Mobile Wallet App

>24 mn logins in H1/19
+65% y-on-y
>1 mn users

Monthly logins to OP Mobile App vs. OP.fi Internet Bank



Op.fi
 Internet
 Bank
55 mn
 logins in H1/19
-2% y-on-y
1.9 mn
 users

Digital customer experience changes the role of local presence

>95%

of private customer encounters and payments occur in digital channels

40%

of private customers classified as remote customers using only digital channels



153

OP member cooperative banks

-28 since Dec. 2014

355

branches

-100 since Dec. 2014

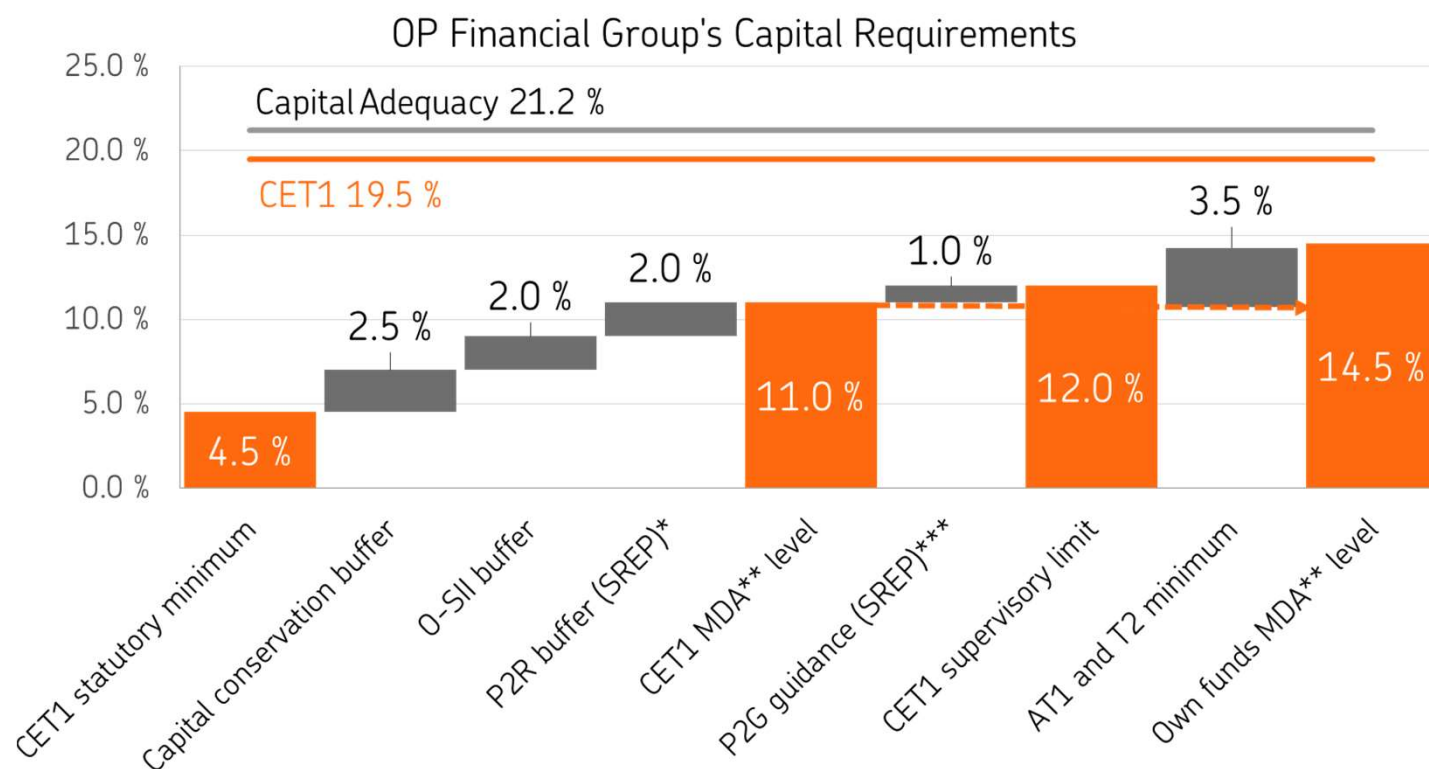
CSR is an integral part of OP's business and strategy

Ongoing CSR programme update commenced with internal and external stakeholder survey in June 2019



OP has solid capital adequacy compared to requirements

Leeway in buffers 8.5% (in CET1) and 6.7% (in total capital ratio)



In June 2018, the FIN-FSA set a 2% systemic risk buffer on OP Financial Group, ie. a capital buffer requirement that entered into force on 1 July 2019. At the same time, it also confirmed OP Financial Group's O-SII buffer requirement at 2%. Considering that these capital buffer requirements are parallel buffers and the larger one is applied, the decision had no effect on OP Financial Group's total capital adequacy requirement.

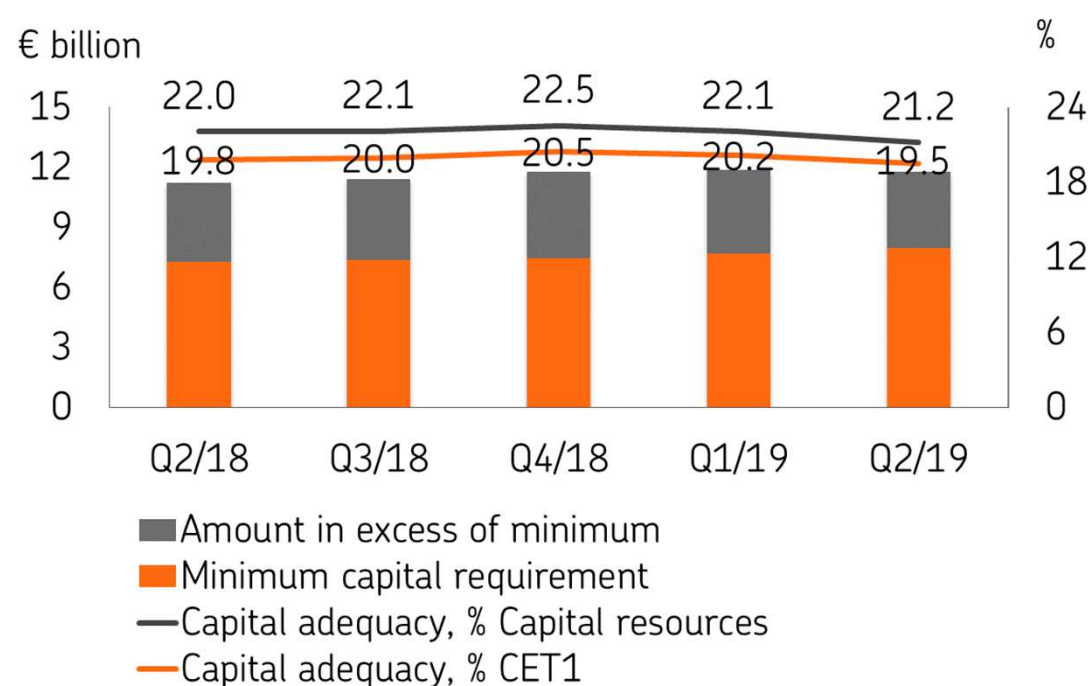
* P2R supervisory Pillar II requirement ** Maximum distributable amount

*** P2G supervisory guidance, breach results enhanced supervisory measures

CET1 ratio 19.5% at end-June 2019

Decline caused by loan portfolio growth and increase in retail exposure risk weights

Capital resources and capital adequacy



REA €55.7 bn (52.1)

- €0.8 bn caused by ECB RW floors – decline caused by increase in mortgage-backed retail exposure risk weights

Avg RWs excl. RW floors:

16.1% for retail exposures (AIRB) (7.4)

66.5% for corporate exposures (FIRB) (65.4)

- In Feb. 2017, ECB set RW floors for OP's retail exposures
 - 15.4% for mortgage-backed exposures
 - 32.7% for other private customer exposures
- FIN-FSA's 15% RW floor on residential mortgage loans came into force on 1 January 2018 and is valid until YE2020
- In April 2019, ECB set RW floor of approx. 12% for OP's home loans
 - No further effect on OP's CET1 ratio due to previously set higher RW floors

CET1 ratio

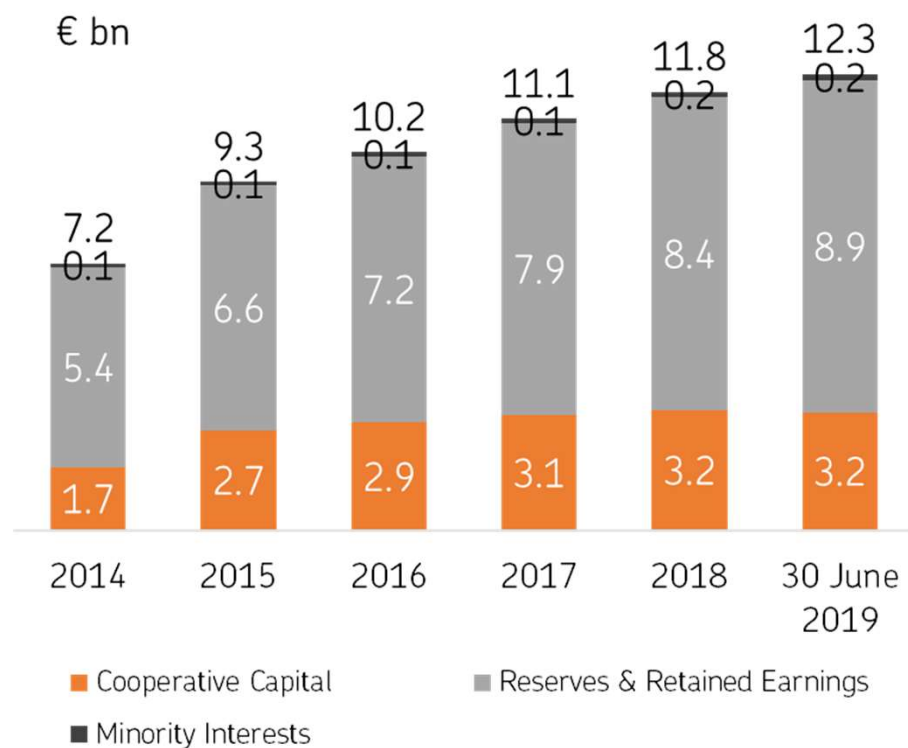
- Target 22% by the end of 2019
- Profit shares outstanding in CET1 capital €3.0 bn as of 30 June 2019

Leverage ratio 8.4% (8.6)

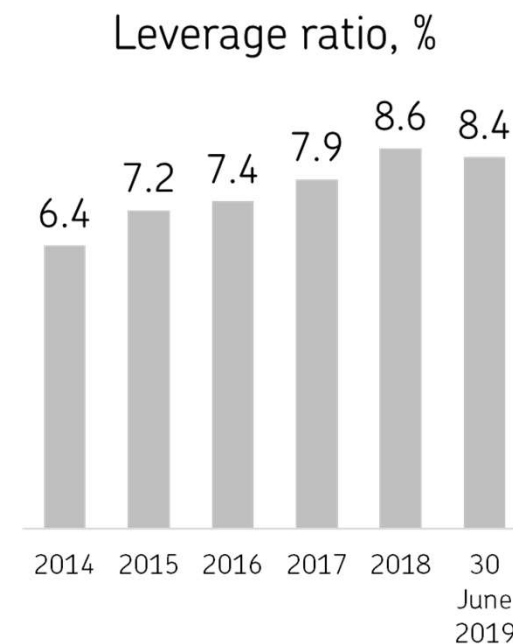
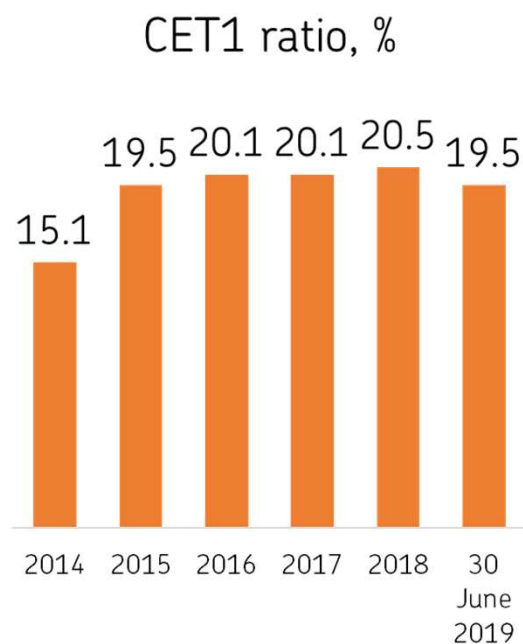
- Minimum level in the draft regulations 3.0%

Strong track record of capital generation

Robust earnings generation and strength of the cooperative model shows in capital base

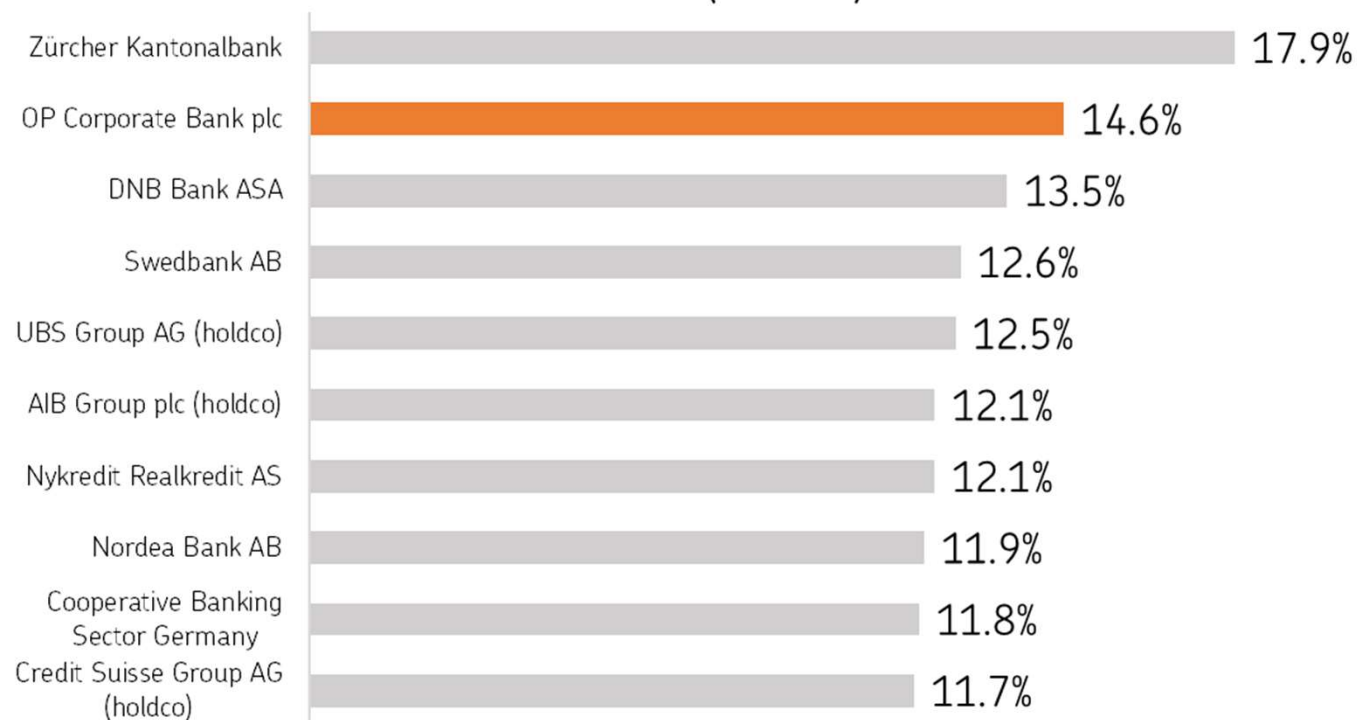


Earnings and profit shares contribute to CET1 and leverage ratio improvement



OP is clear outperformer in S&P RAC ratio comparison leaving all Nordic peers behind

TOP10 Western European banks' S&P RAC ratios,
before diversification (YE2017)

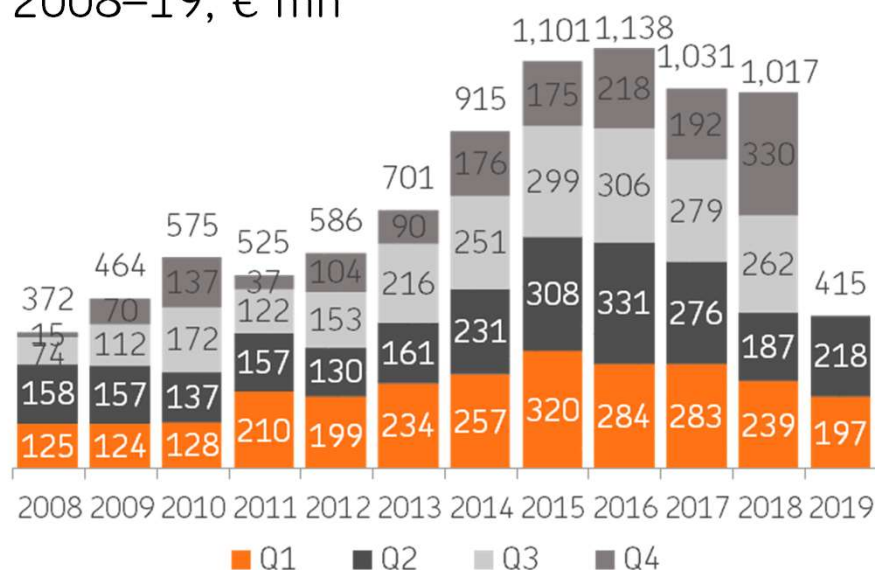


Source: Standard & Poor's, Risk-Adjusted Capital (RAC) Ratios for the Top 50 Western European Banks, 17 Oct. 2018

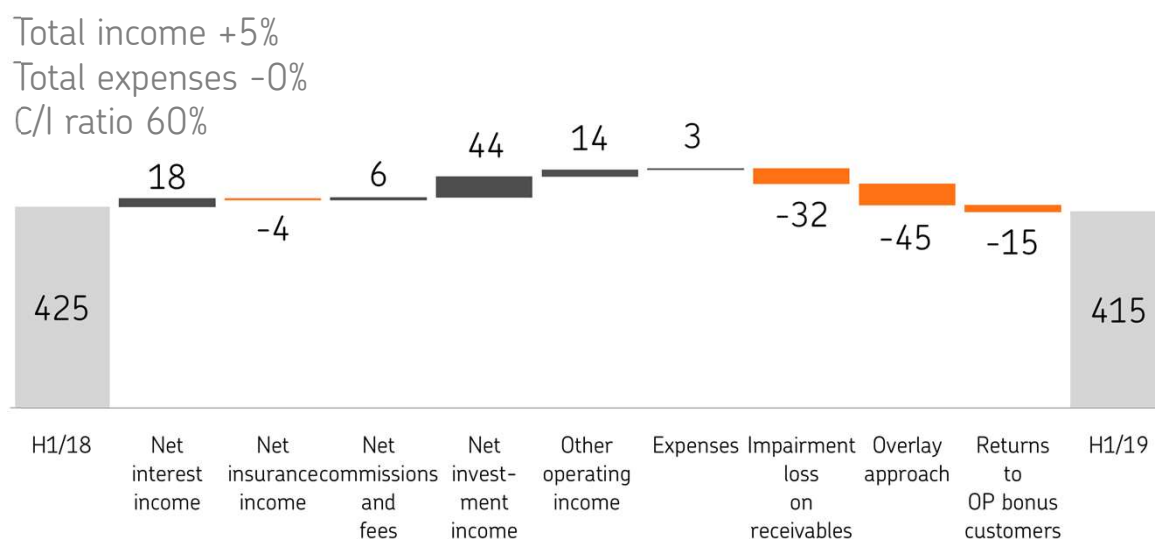
EBT in 2019 expected to be lower than in 2018

Lower EBT in H1/19 due to decreased net insurance income and negative overlay approach* effect as well as higher impairments on receivables. EBT was eroded by non-recurring items such as changes made in the valuation models of derivatives and changes in the accounting practice of charges of financial authorities.

EBT by quarter
2008–19, € mn



EBT, y-o-y change by P&L line item*, **, H1/19 vs. H1/18, € mn



* A temporary exemption from IFRS9 (overlay approach) is applied to some equity instruments of insurance companies (reported according to IAS39), which eroded earnings for the reporting period by EUR 67 million.

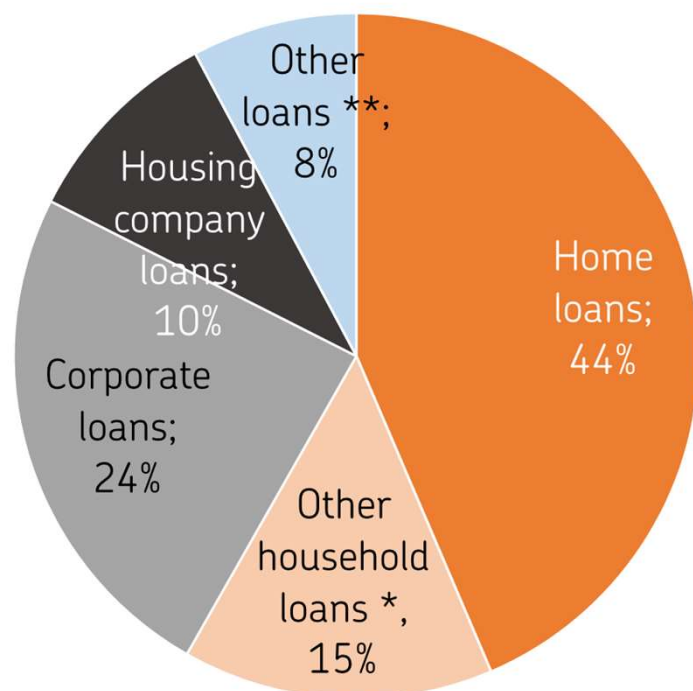
** Net insurance income includes net income from Non-life and Life insurance. Net investment income includes net trading income as well as net investment income from Non-life and Life insurance

OP's financial performance in H1/2019

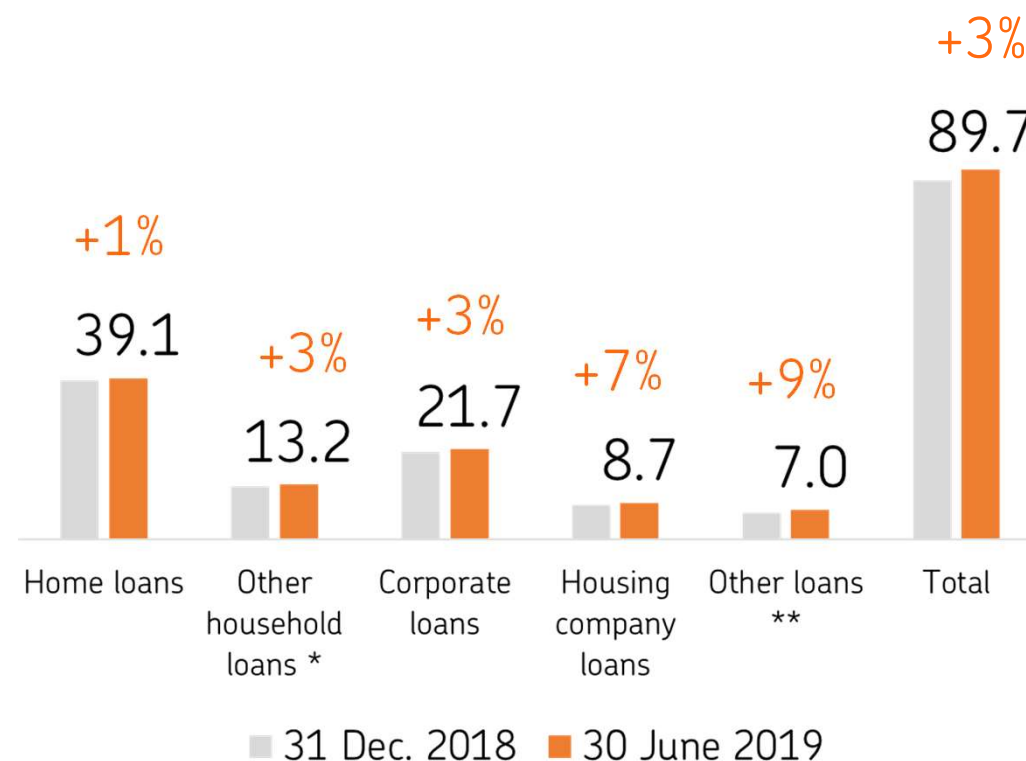
GROUP		RETAIL BANKING		CORPORATE BANKING		INSURANCE		OTHER OPERATIONS	
EBT, € mn	415 (425) -3%	EBT, € mn	94 (121) -23%	EBT, € mn	139 (211) -34%	EBT, € mn	192 (140) +38%	EBT, € mn	-10 (-40)
NII, € mn	587 (569) +3%	NII, € mn	457 (436) +5%	NII, € mn	185 (169) +9%	Insurance premium revenue, € mn	726 (733) -1%	NII, € mn	-34 (-21)
Net insurance income, € mn	274 (278) -2%	Net commissions and fees, € mn	356 (342) +4%	Net commissions and fees, € mn	56 (72) -22%	Net insurance income, € mn	283 (289) -2%	Net commissions and fees, € mn	4 (3)
Net commissions and fees, € mn	450 (444) 1%	Net investment income, € mn	-14 (0)	Net investment income, € mn	52 (90) -42%	Net commissions and fees, € mn	33 (35) -7%	Net investment income, € mn	22 (28) -22%
Net investment income, € mn	252 (208) +22%	Impairment loss on receivables, € mn	-26 (-12)	Impairment loss on receivables, € mn	-14 (5)	Net investment income, € mn	178 (80) +122%	Long-term bonds issued to the public and TLTRO II funding, € bn	2.5 (3.3 in 2018)
Expenses, € mn	953 (956) -0%	Loans, € bn	66.8 (63.8) +5%	Loans, € bn	23.2 (21.0) +11%	Operating combined ratio, % Non-life	92.5 (91.9)	Average margin of senior wholesale funding, TLTRO II funding and covered bonds, bps	17 (14 at YE2018)
Impairment loss on receivables, € mn	-39 (-7)	Deposits, € bn	54.0 (50.0) +8%	Deposits, € bn	10.3 (12.2) -16%	Operating cost ratio, % Non-life	28.2 (27.4)		
Cost/income ratio, %	60 (63)	Assets under management, € bn	21.9 (20.1 at YE2018) +9%	Assets under management, € bn	55.7 (51.8 at YE2018) +8%	Solvency II ratio* Non-life, %	133 (132)		
		Cost/income ratio, %	72.4 (72.0)	Net inflows, € mn	-141 (128) -210%	Solvency II ratio* Life, %	158 (176)		
				Cost/income ratio, %	47.6 (37.3)				

Loan portfolio up by 3% in H1/19

€89.7 bn Loan portfolio breakdown,
30 June 2019, %



Loan portfolio growth by product group,
30 June 2019 vs. 31 Dec. 2018, € bn



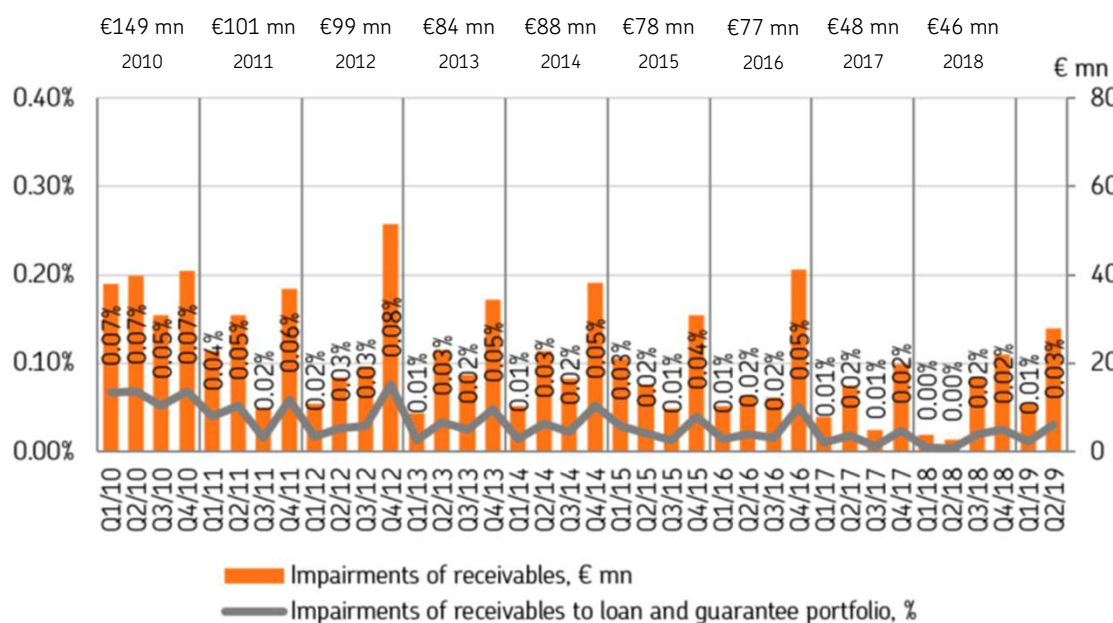
* Other household loans include loans for holiday houses, consumer loans, student loans etc.

** Other loans include loans to financial institutions, public sector, non-profit organisations and customers abroad

H1/19 impairment loss on receivables €39 mn, equaling to 0.04% of loan and guarantee portfolio (0.01)

Performing forborne receivables 67% (70) of gross doubtful receivables at end-June 2019

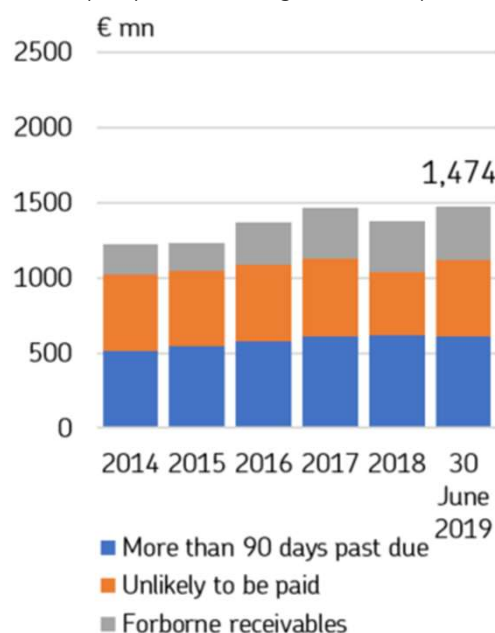
Impairment loss on receivables



Doubtful receivables (gross)

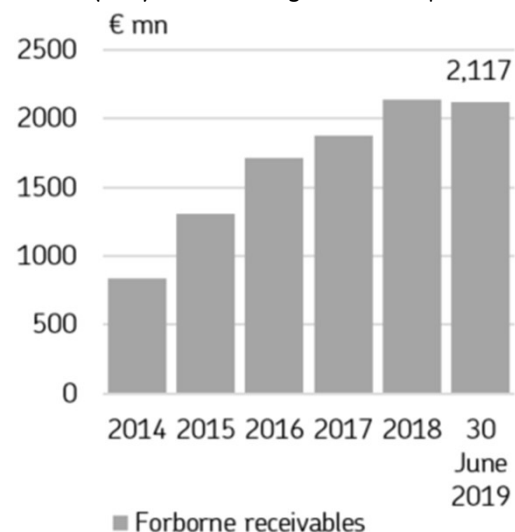
Non-performing

1.1% (1.0) to loan & guarantee portfolio



Performing

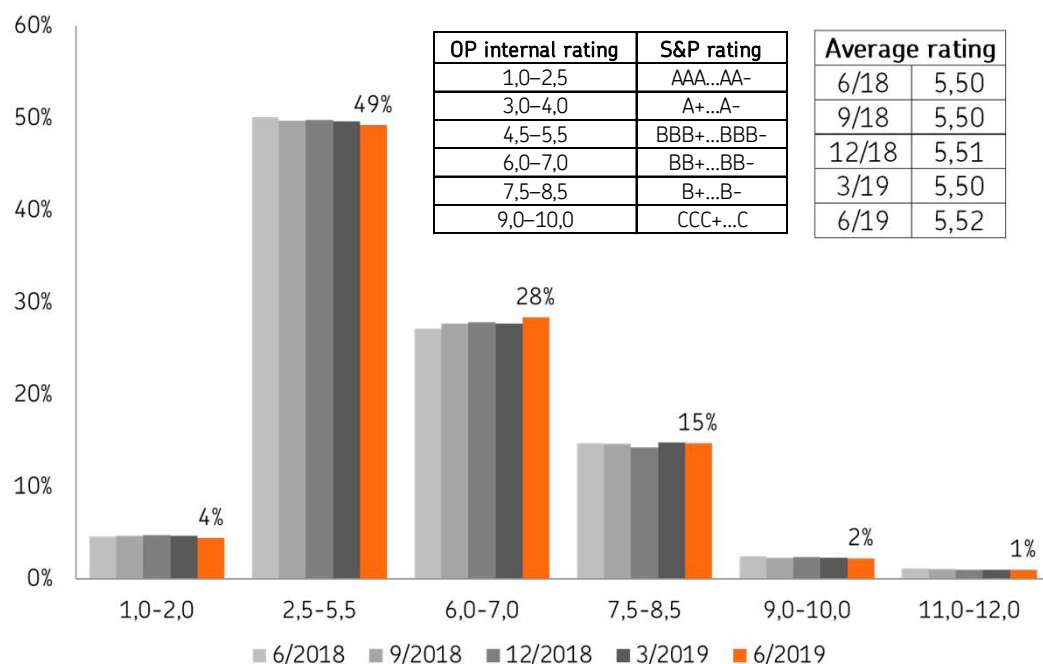
2.3% (2.4) to loan & guarantee portfolio



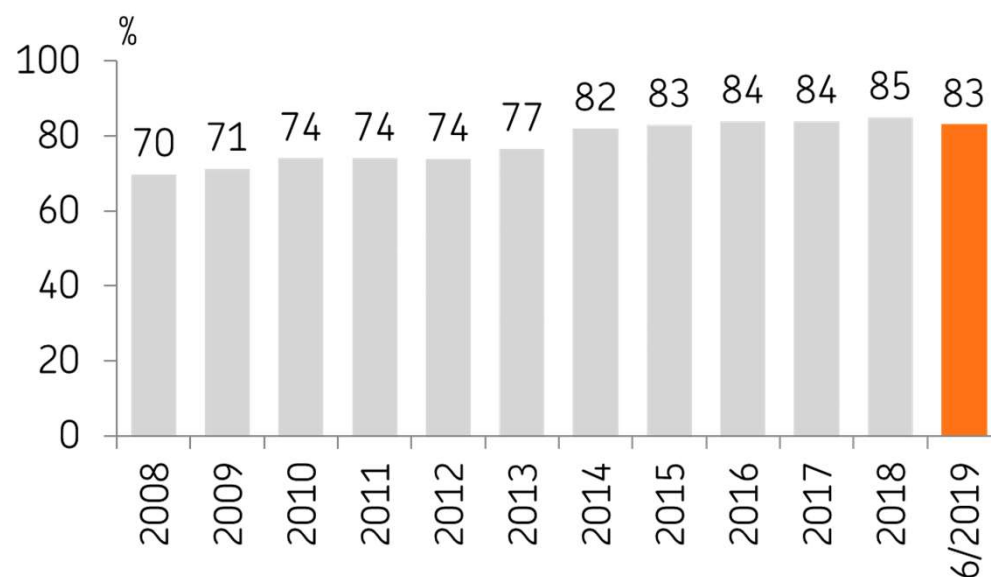
Exposures by credit rating category

IG (1.0-5.5) 53% of the exposure from Non-financial corporations and housing companies sector

Exposures from the Non-financial Corporations and Housing Companies Sector by credit rating category
(total corporate customer exposure €52.0 bn as of 30 June 2019)



Private Customer exposures of credit rating categories A and B, % of total exposure
(total private customer exposure €58.1 bn as of 30 June 2019)



At YE2018, average PD of private customer exposures (Pillar III) with a credit rating of A and B a maximum of

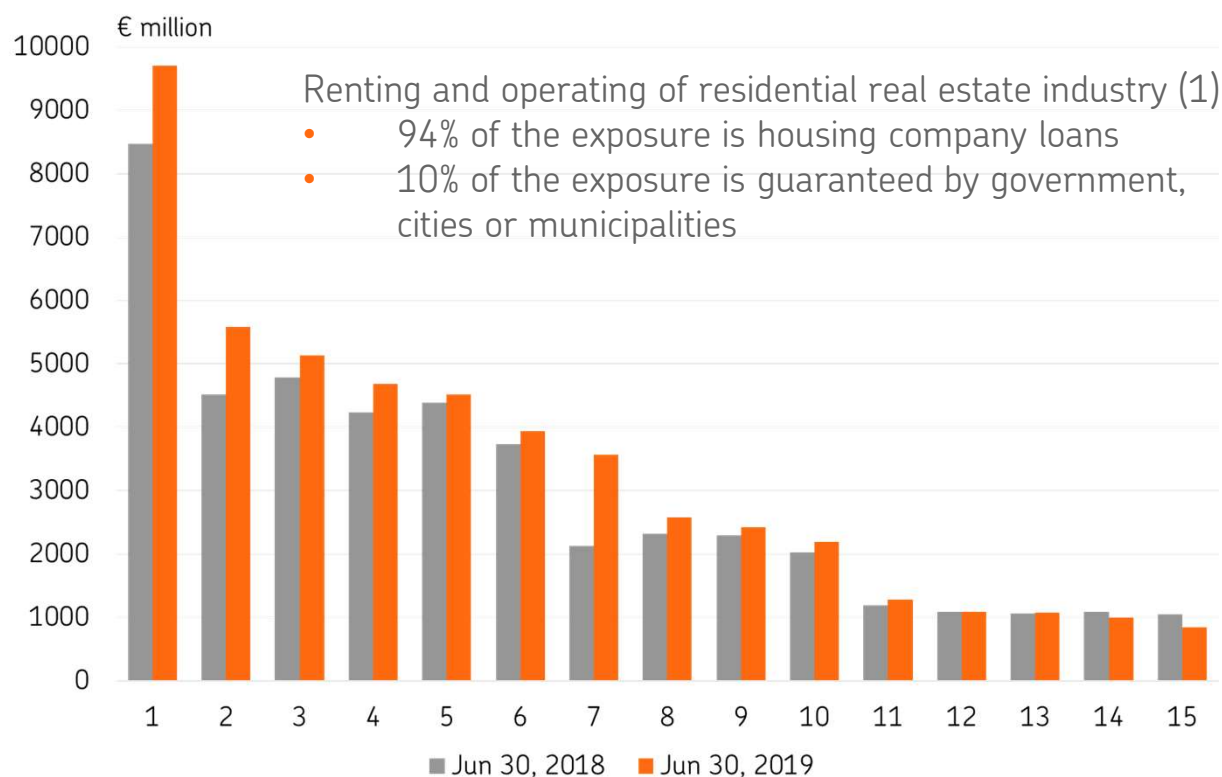
0.1% (0.1)

Largest single customer risk to capital under FiCo capital adequacy at YE2018

5.0% (5.0)

Corporate exposures well diversified by industry

Exposures from the Non-financial corporations and housing companies sector
€52.0 bn as of 30 June 2019



	Jun 30, 2019	Jun 30, 2018
1 Renting and operating of residential real estate	18,7 %	17,9 %
2 Services	10,8 %	9,6 %
3 Renting and operating of other real estate	9,9 %	10,1 %
4 Wholesale and retail trade	9,0 %	9,0 %
5 Energy	8,7 %	9,3 %
6 Construction	7,6 %	7,9 %
7 Financial and insurance services	6,9 %	4,5 %
8 Manufacture of machinery and equipment (incl. services)	5,0 %	4,9 %
9 Agriculture, forestry and fishing	4,7 %	4,9 %
10 Transportation and storage	4,2 %	4,3 %
11 Forest industry	2,5 %	2,5 %
12 Chemical industry	2,1 %	2,3 %
13 Information and communication	2,1 %	2,2 %
14 Metal industry	1,9 %	2,3 %
15 Food industry	1,6 %	2,2 %

Funding based on strong credit ratings

Rating target: Senior unsecured (long-term) debt rating at AA level affirmed by at least 2 rating agencies or the rating at least at the same level as main competitors' ratings

	Moody's (Long-term debt rating)	S&P (Long-term issuer credit rating)
Svenska Handelsbanken	Aa2	AA-
Swedbank	Aa2*	AA-**
OP Corporate Bank plc	Aa3	AA-
Nordea Bank Abp	Aa3	AA-
DNB Bank	Aa2	AA-
SEB	Aa2	A+
Danske Bank	A2*	A*
OP Mortgage Bank***	Aaa	AAA
f****	A1	A+
OP Insurance Ltd****	A2	A+
Finland	Aa1	AA+

OP CORPORATE BANK PLC

- Moody's affirmed Aa3 rating with stable outlook in December 2018
 - Uplifts from Loss-Given-Failure (+2 notches) and Government Support (+1 notch)
- S&P affirmed AA- rating and stable outlook in July 2018
 - Uplifts from Business Position (+1 notch), Capital and Earnings (+2 notches) and ALAC Support (+1 notch)

OP MORTGAGE BANK

- Moody's affirmed Aaa rating with stable outlook in November 2018
 - TPI (Timely Payment Indicator) Leeway 5 notches
- S&P affirmed AAA rating with stable outlook in September 2018
 - 3 unused notches of jurisdictional support, 2 unused notches of collateral based uplift

OP INSURANCE LTD

- Moody's upgraded rating to A2 with stable outlook in January 2019
- S&P affirmed A+ rating and stable outlook in July 2018

* Negative outlook

** Credit Watch Negative

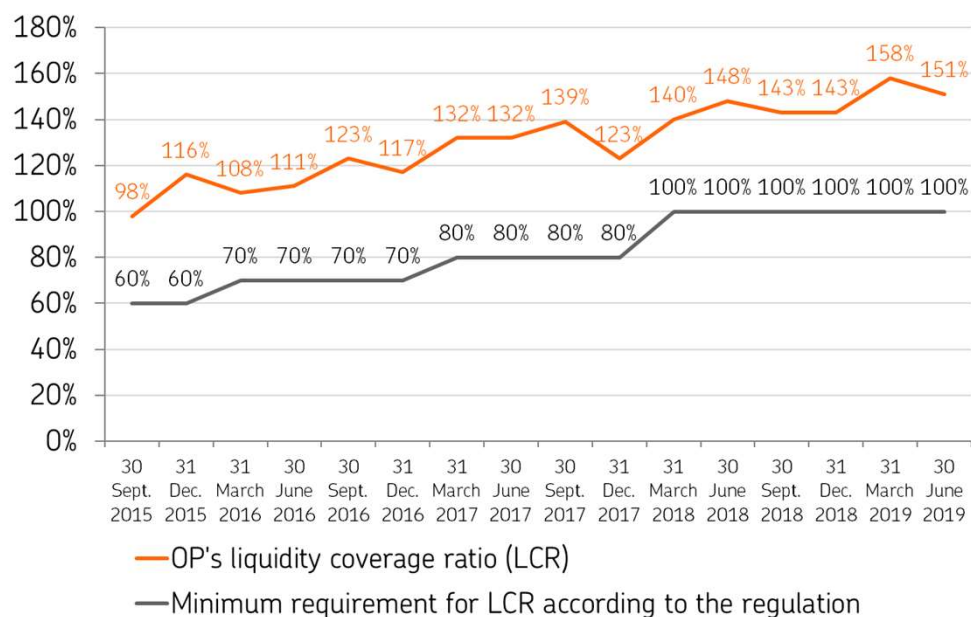
*** Covered bond rating

**** Insurance financial strength rating

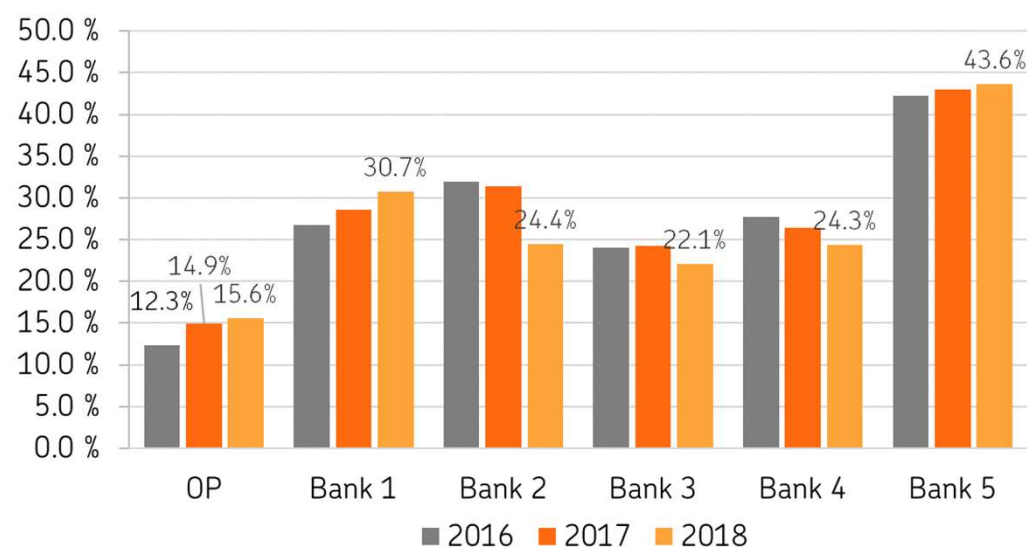
Updated: 25 July 2019

LCR 151% (end-June 2019) and NSFR 112% at (end-May 2019)

LCR vs. minimum requirement



Encumbrance ratio in Nordic comparison



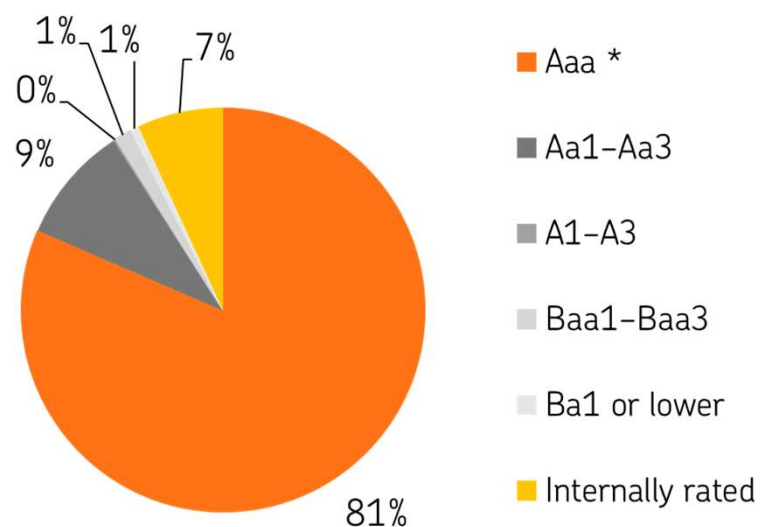
Source: Banks' Annual reports/Risk Management Reports & calculations by OP Financial Group, calculated from data reported by banks according to EBA Asset Encumbrance Disclosure Guidelines (Bank 5 ratio as reported by the bank itself)

NSFR (Net Stable Funding Ratio) 112% at end-May 2019 (111% at YE2018)

Liquidity buffer €21.4 bn at end-June 2019

The liquidity buffer is sufficient to cover the need for short-term funding for known and predictable payment flows and in a liquidity stress scenario

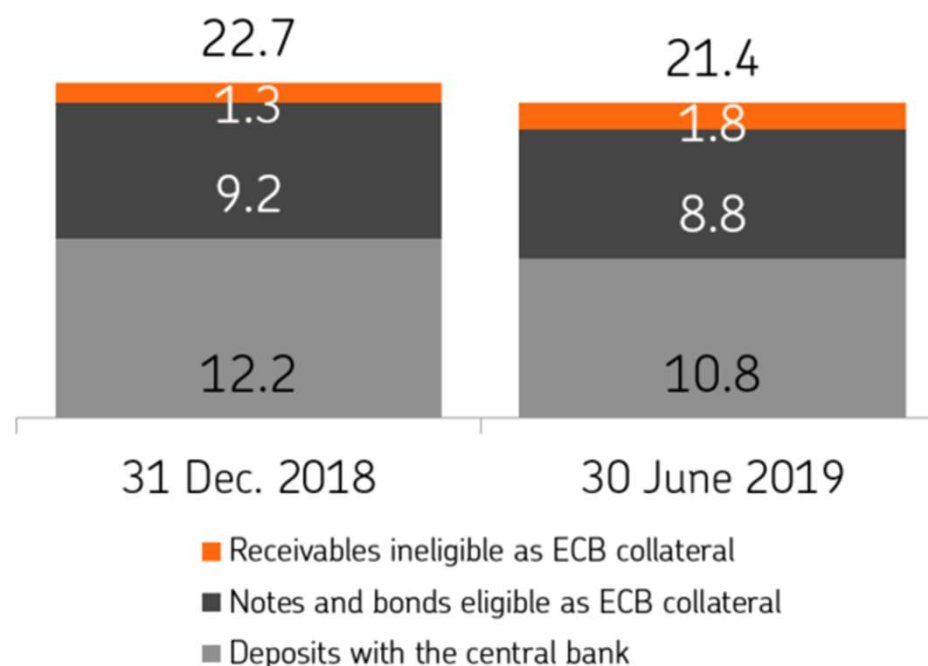
Liquidity buffer by credit rating**, as of 30 June 2019



* incl. deposits with the central bank

** "Internally rated" includes externally non-rated notes and bonds issued by public-sector entities and companies

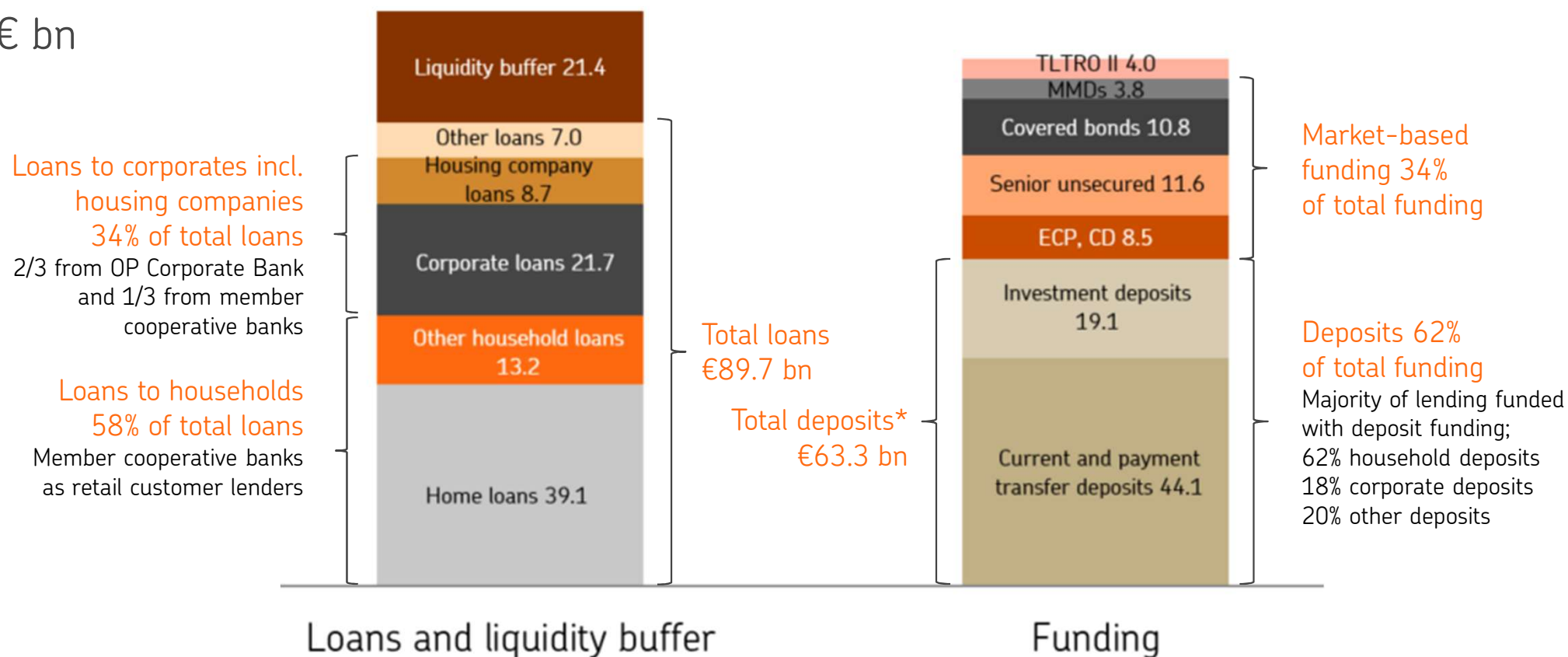
Liquidity buffer breakdown, € bn



Loans, liquidity buffer and funding

30 June 2019

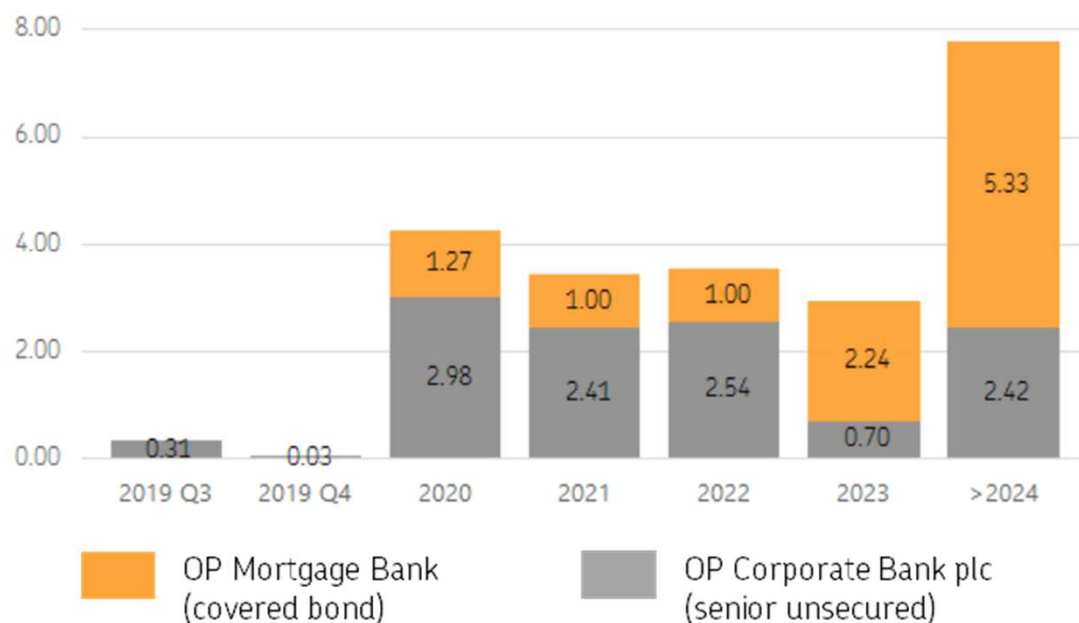
€ bn



* Deposits within the scope of deposit guarantee totalled €37.7 bn (36.0) as of 30 June 2019. The Deposit Guarantee Fund compensates a maximum of €100,000 for each OP Financial Group customer.

Maturity breakdown of wholesale funding well diversified

Issued senior unsecured and covered bonds by maturity, 30 June 2019 (€ bn)



OP issued long-term bonds worth €2.5 bn in H1/19 (€3.3 bn in 2018)

MREL regulation

- On 12 June 2019, the Finnish Financial Stability Authority set MREL for OP Financial Group of 13.4 billion euros, or 27.3% of the risk-weighted assets (RWA) at the end of 2017
- OP Financial Group clearly fulfils the requirement set by the authority: OP Financial Group's MREL ratio was 42% at end-June 2019
- OP Corporate Bank issued €500 mn SNP in June 2019 and plans to continue issuance in the future
- The SRB has confirmed a resolution strategy for OP Financial Group whereby the resolution measures would apply to OP Corporate Bank acting as a Single Point of Entry

Issued senior unsecured and covered bonds

OP Corporate Bank plc's benchmark senior unsecured bonds 2017–19

Year	Month	Amount	Maturity	Interest rate
2019	June	€500 mn (Senior Non-Preferred)	5 yrs	m/s +60 bps
2019	February	€500 mn (Green Senior)	5 yrs	m/s +35 bps
2018	August	€500 mn	5 yrs	m/s +22 bps
2018	May	GBP200 mn	3 yrs	Eb3 +17 bps
2018	May	Total €1 bn dual-tranche, €500 mn each	7 yrs (fixed) 3 yrs (floating)	m/s +30 bps Eb3 +20 bps
2017	April	€500 mn	5.5 yrs	m/s +27 bps

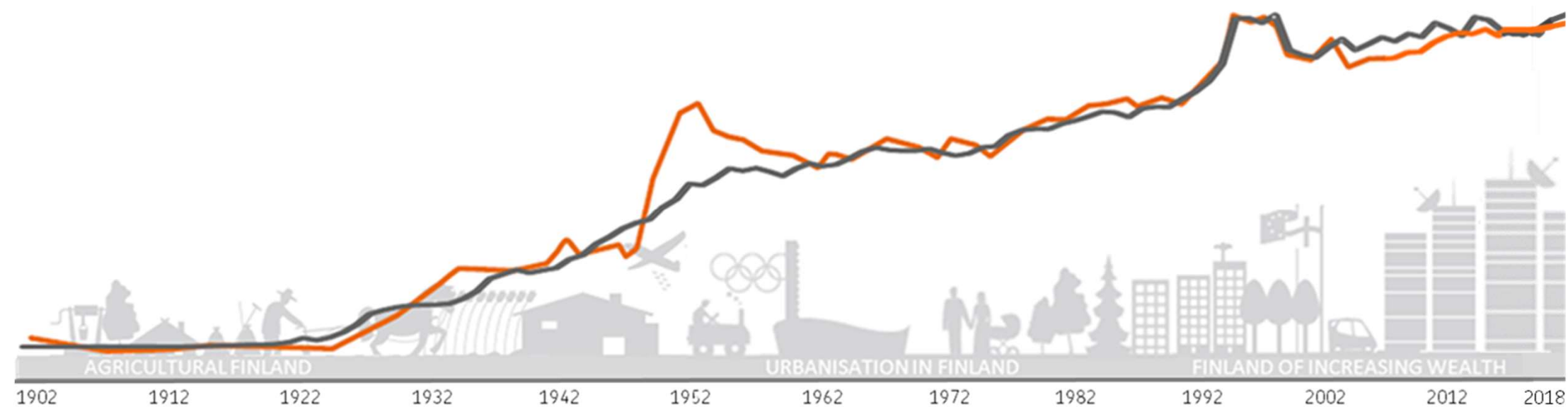
OP Mortgage Bank's benchmark covered bonds 2017–19

Year	Month	Amount	Maturity	Interest rate
2019	February	€1.25 bn	10 yrs	m/s +10 bps
2018	June	€1 bn	7.25 yrs	m/s -2 bps
2017	November	€1 bn	5.25 yrs	m/s -13 bps
2017	June	€1 bn	10 yrs	m/s +1 bps
2017	March	€1 bn	7 yrs	m/s -4 bps

OP's market shares in 2018

Deposits 38.4%

Loans 35.5%



OP Mortgage Bank

Highlights of the Act on Mortgage Credit Bank Operations

- Segregation of assets in Covered Register
- Tight LTV restrictions on eligible assets (70% LTV on home loans)
- Over-collateralisation requirement of 2%
- Continuity of Cover Pool and Covered Bonds in the event of liquidation and bankruptcy of the issuer
- Regulated by Finnish FSA and ECB
- Assets that must be booked as non-performing (over 90 days in arrears), according to FIN-FSA regulations, shall not be included in the Cover Pool
 - At OPMB, non-performing loans were €19.5 mn as of 30 June 2019

OP Mortgage Bank (OPMB) in brief

- Wholly-owned subsidiary of OP Cooperative
- Special-purpose bank operating under the Act on Mortgage Credit Bank Operations
 - OPMB's sole purpose is to raise funds for OP member cooperative banks by issuing covered bonds with mortgage collateral
- Outstanding covered bonds of OPMB are rated AAA by S&P and Aaa by Moody's

OP Mortgage Bank's covered bond programme qualifies for the European Covered Bond Council's (ECBC) Covered Bond Label.

OP Mortgage Bank & Joint liability

- OPMB fully benefits from the joint liability among OP Cooperative and the member credit institutions, based on the Act on the Amalgamation of Deposit Banks
- However, since assets in OPMB's Cover Asset Pool are ring-fenced, the noteholders have the right to receive what is due to them before all other creditors



Read more about ECBC's covered bond label at www.coveredbondlabel.com

OP Mortgage Bank's rating buffers

Standard & Poor's: AAA (stable)

- 3 unused notches of jurisdictional support
- 2 unused notches of collateral based uplift
- Key scores (as of 30 June 2018)
 - Available Credit Enhancement: 14.27%
 - Target Credit Enhancement: 4.2%
 - Credit Enhancement (OC) commensurate with AAA rating: 2.5%
 - WAFF*: 16.53%
 - WALs**: 7.50%

* *Weighted-average foreclosure frequency*

** *Weighted-average loss severity*

Moody's: Aaa (stable)

- TPI*** Leeway 5 notches
- Key scores (as of 31 March 2019)
 - CR-A****: Aa2(cr)
 - CB Anchor: CR-A + 1 notch = Aa1
 - TPI: Probable-High
 - Collateral score (post-haircut): 3.4% (cap 5.0%)

*** *Timely payment indicator*

**** *Counterparty risk assessment*

Source: Standard & Poor's Global Ratings Europe Limited, Transaction Update: OP Mortgage Bank, 14 September 2018

Source: Moody's Investors Service Ltd, Performance Overview, OP Mortgage Bank, Mortgage Covered Bonds 2, 29 May 2019

OPMB operating model

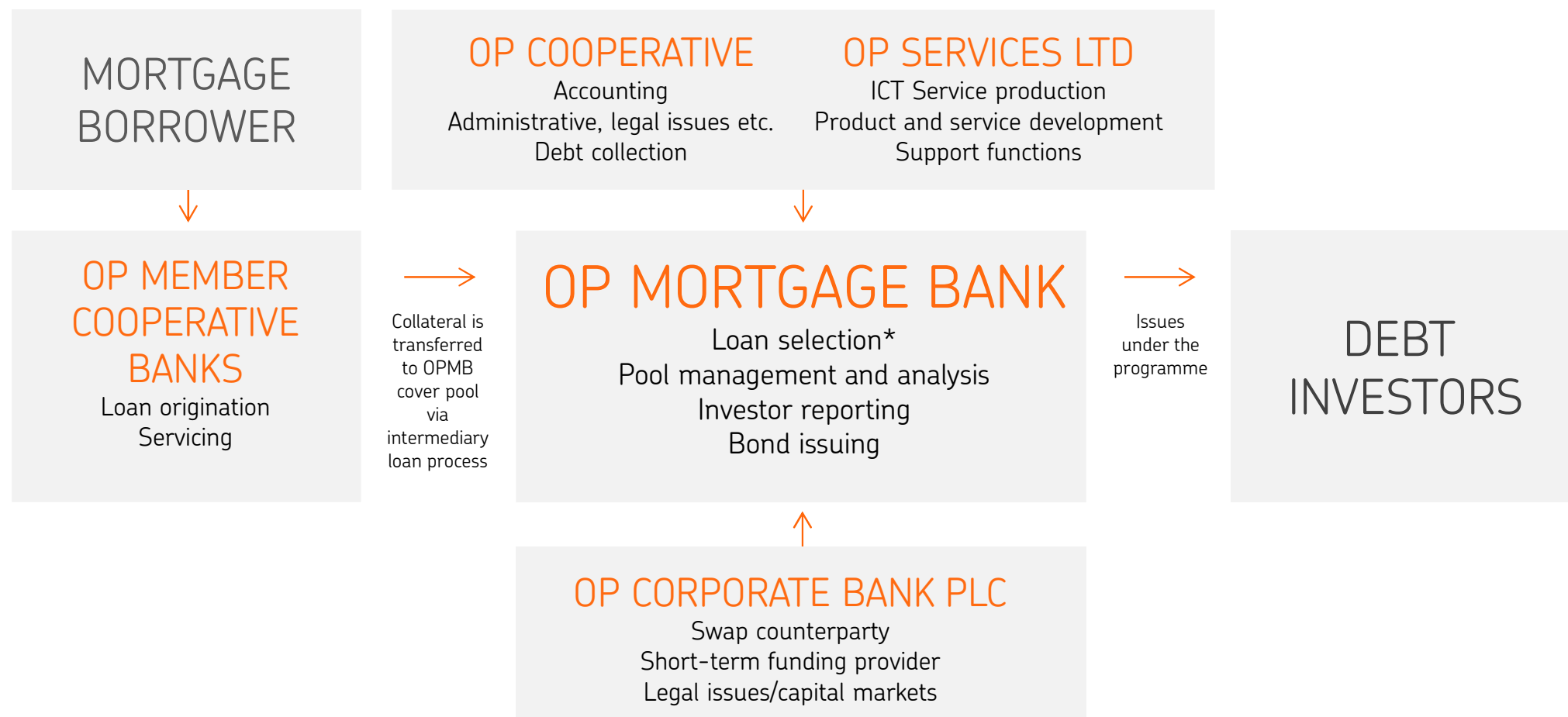
OPMB is a funding vehicle for the member cooperative banks

- Subject to strict eligibility criteria
 - Collateral may be transferred to OPMB via intermediary loan process

OPMB utilises the structure of OP Financial Group through, for example,

- outsourcing
 - origination and servicing of assets to member cooperative banks, and
 - risk management, IT services, accounting etc. to OP Cooperative
- cooperatively organising
 - interest rate risk management with OP Corporate Bank plc

Operating model and roles



* Basic lending criteria for the Group are set by OP Cooperative. OP Mortgage Bank has additional loan selection criteria.

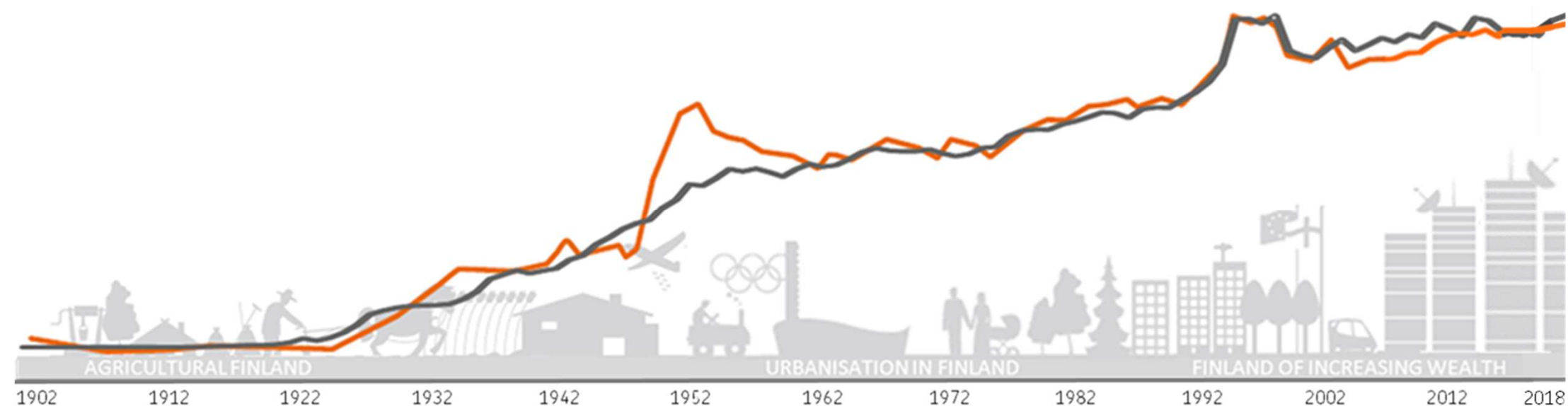
Intermediary loans

- The Finnish Covered Bond Act (2010) enables granting intermediary loans
 - The member cooperative banks are granted the opportunity to indirectly participate in the covered bond issuance process
- The intermediary loan contract is made between the member cooperative bank and OPMB
 - Intermediary loans are the way for the member cooperative banks to utilize OPMB
 - The amount of loan, interest margin/fixed interest rate and maturity of the loan are indicative during the contracting phase of the intermediary loan
 - The member cooperative bank commits to preserving adequate intermediary loan worthy loan portfolio for the maturity of the intermediary loans, and accepts that OPMB subscribes the mortgage loans as collateral in the cover pool
 - OPMB monitor's the adequacy of the loans daily
- Once the mortgage loans are registered in the OP MB Covered Bond Register via intermediary loan process, they serve as collateral for the covered bonds for the benefit of the noteholders as long as intermediary loan expires

OP's market shares in 2018

Deposits 38.4%

Loans 35.5%



OPMB Cover Asset Pool Characteristics

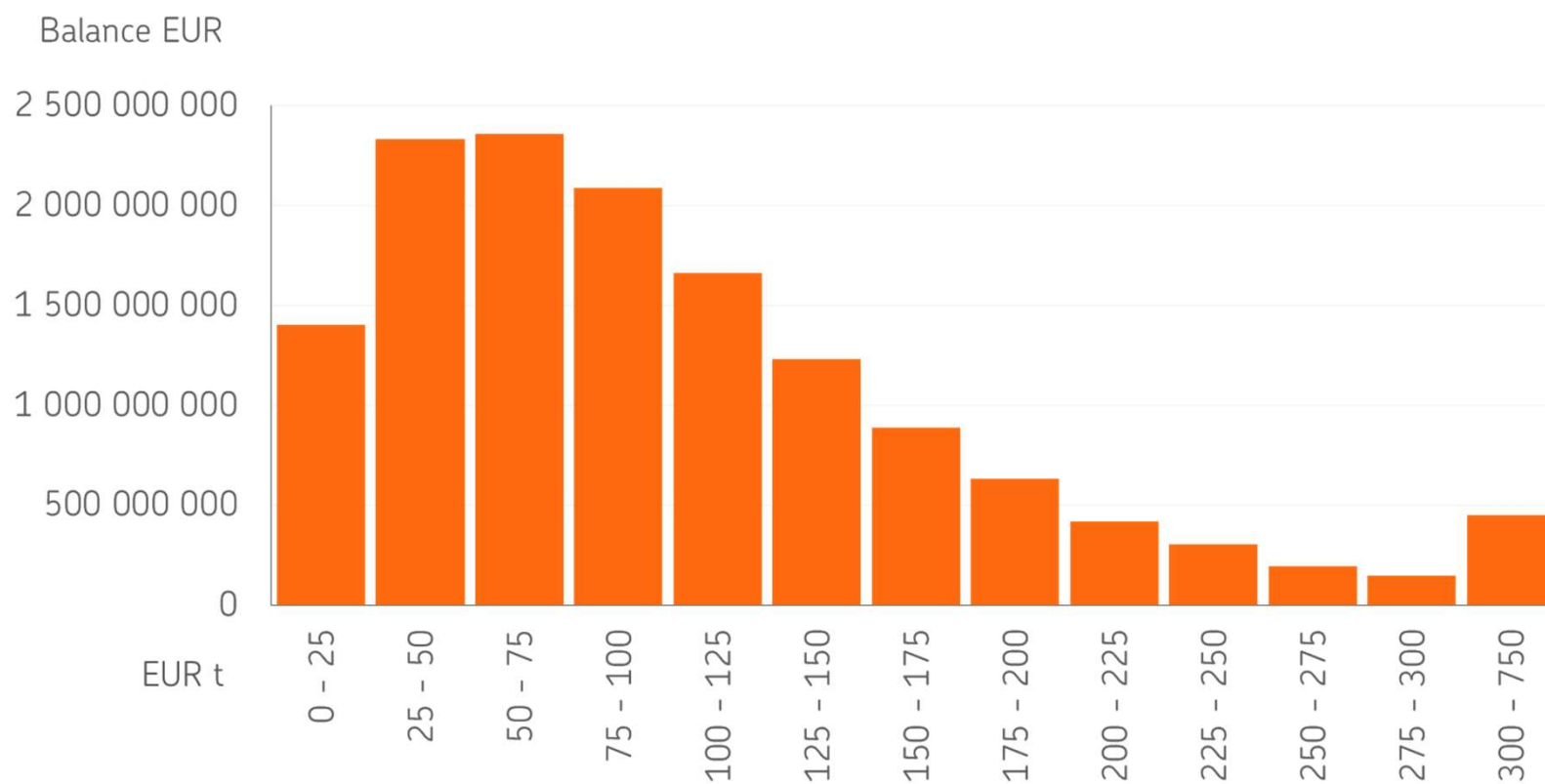
Covered bonds issued after 1 Aug. 2010,
under the Finnish Act on Mortgage Credit Banks 680/2010

Main Features of OP Mortgage Bank's Cover Asset Pool as of 30 June 2019

- Collateralized by Finnish mortgages
- Current balance EUR 14.11 billion
- Weighted Average indexed LTV of 46%
- Average loan size of approximately EUR 51,000
- No loans over 60 days in arrears ongoing
- Variable interest rates: over 98% of all loans
- Hedging agreements in place in order to mitigate interest rate risk
- Total amount of covered bonds issued EUR 10.885 billion

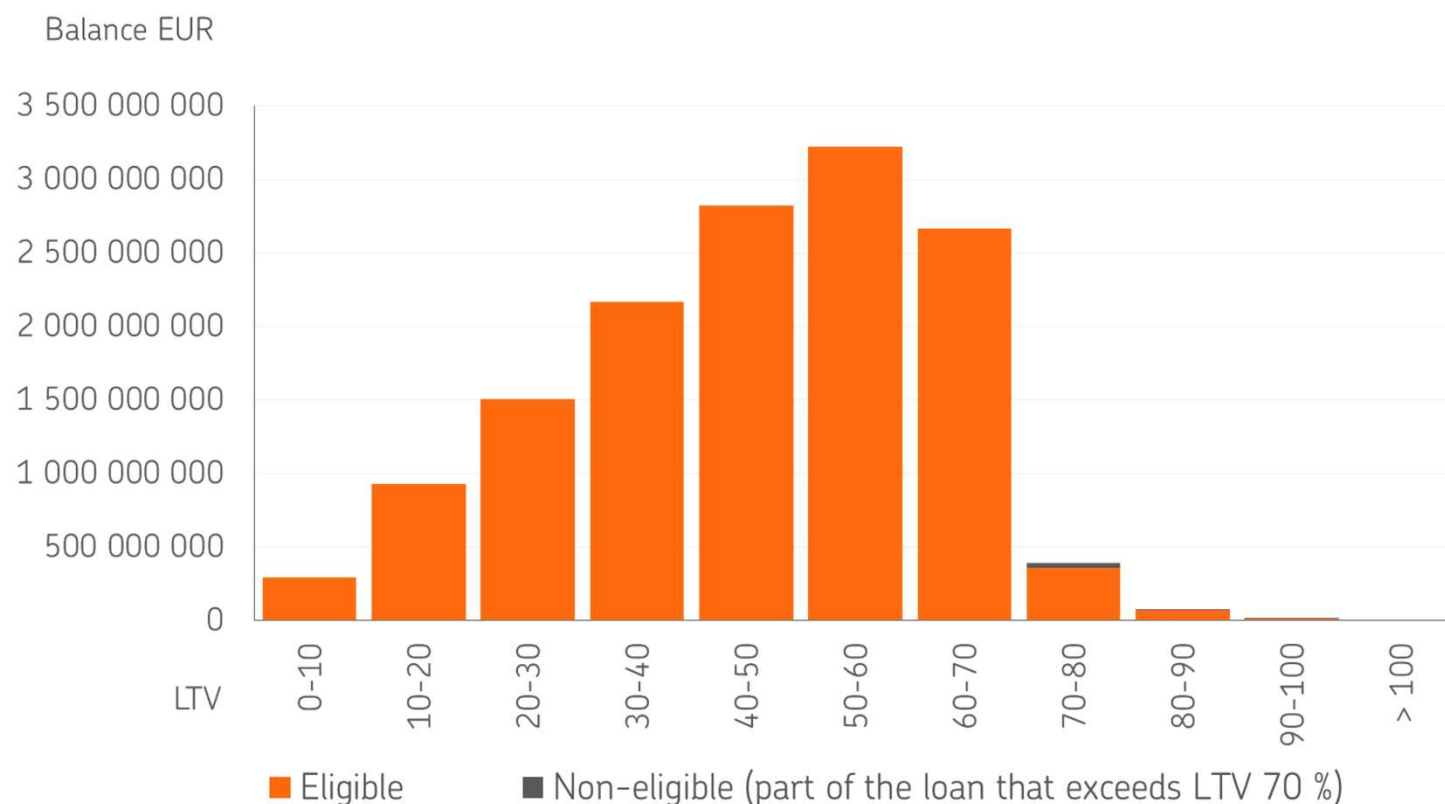
OPMB Cover Asset Pool Characteristics

Loans by size



OPMB Cover Asset Pool Characteristics

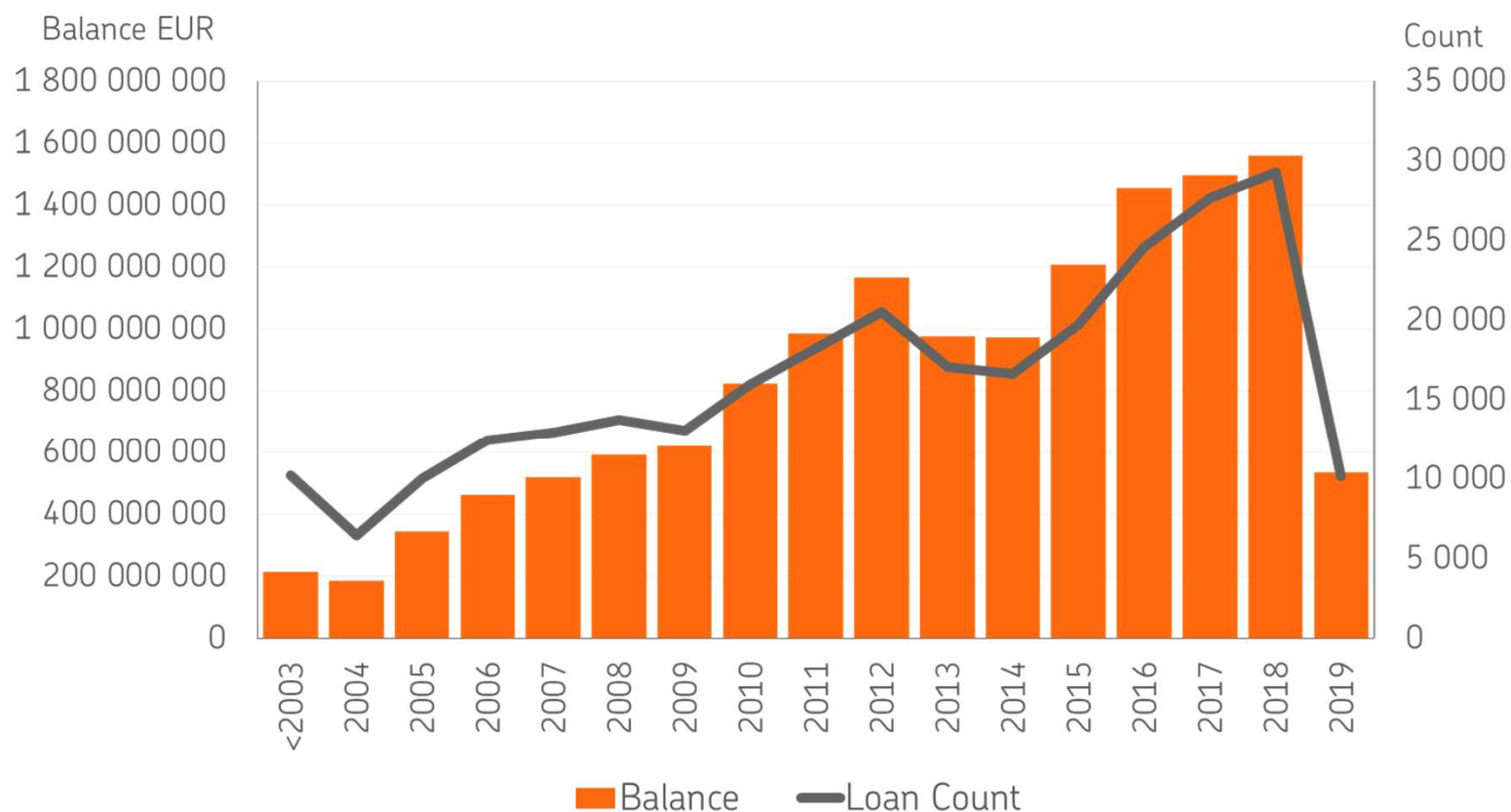
Loans by LTV



- Total assets EUR 14.11 billion
- Eligible Cover Pool assets EUR 14.07 billion
- Weighted average indexed LTV of 46%
- Over-collateralisation 29.3% Eligible only

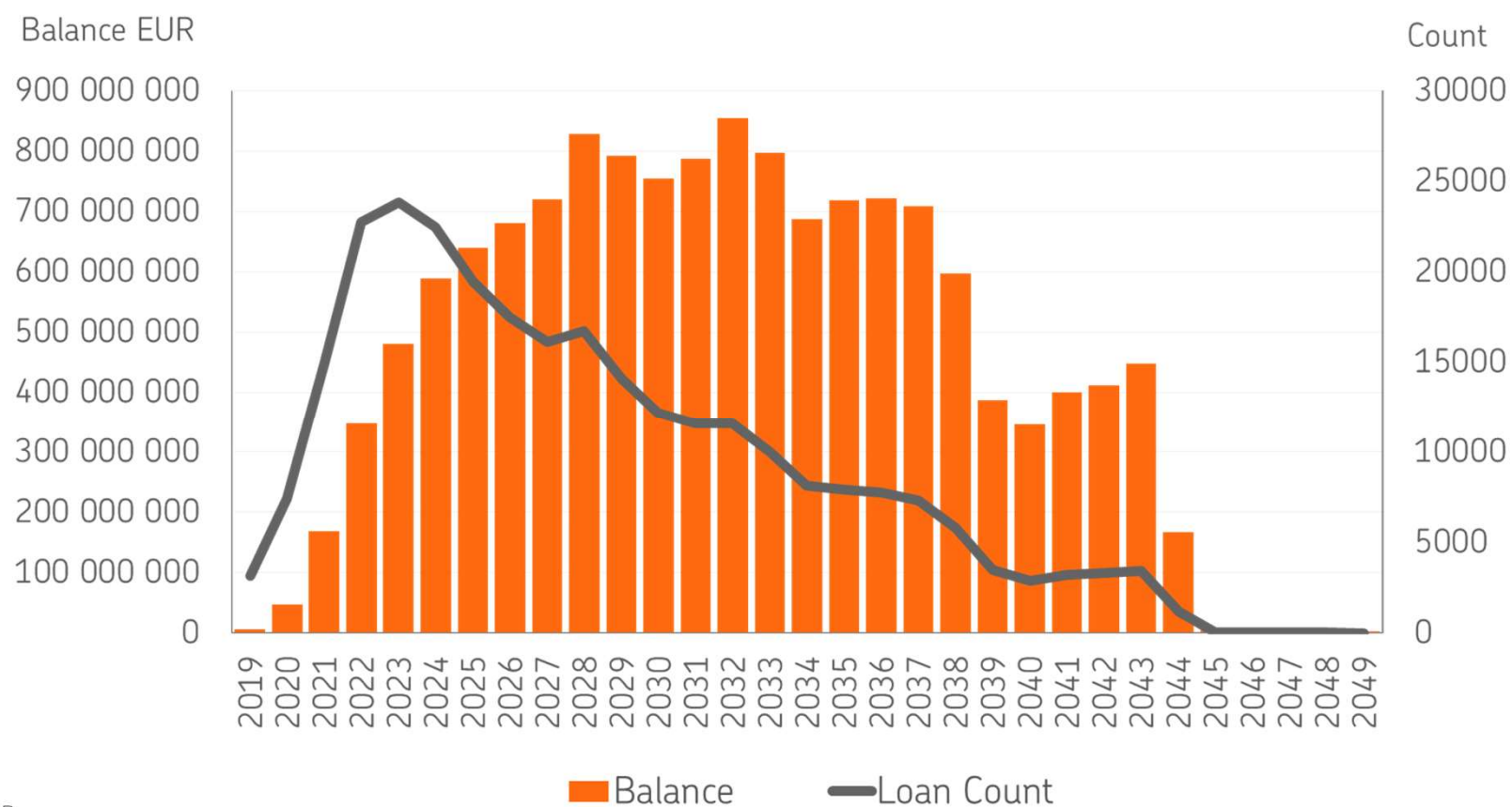
OPMB Cover Asset Pool Characteristics

Loans by origination year



OPMB Cover Asset Pool Characteristics

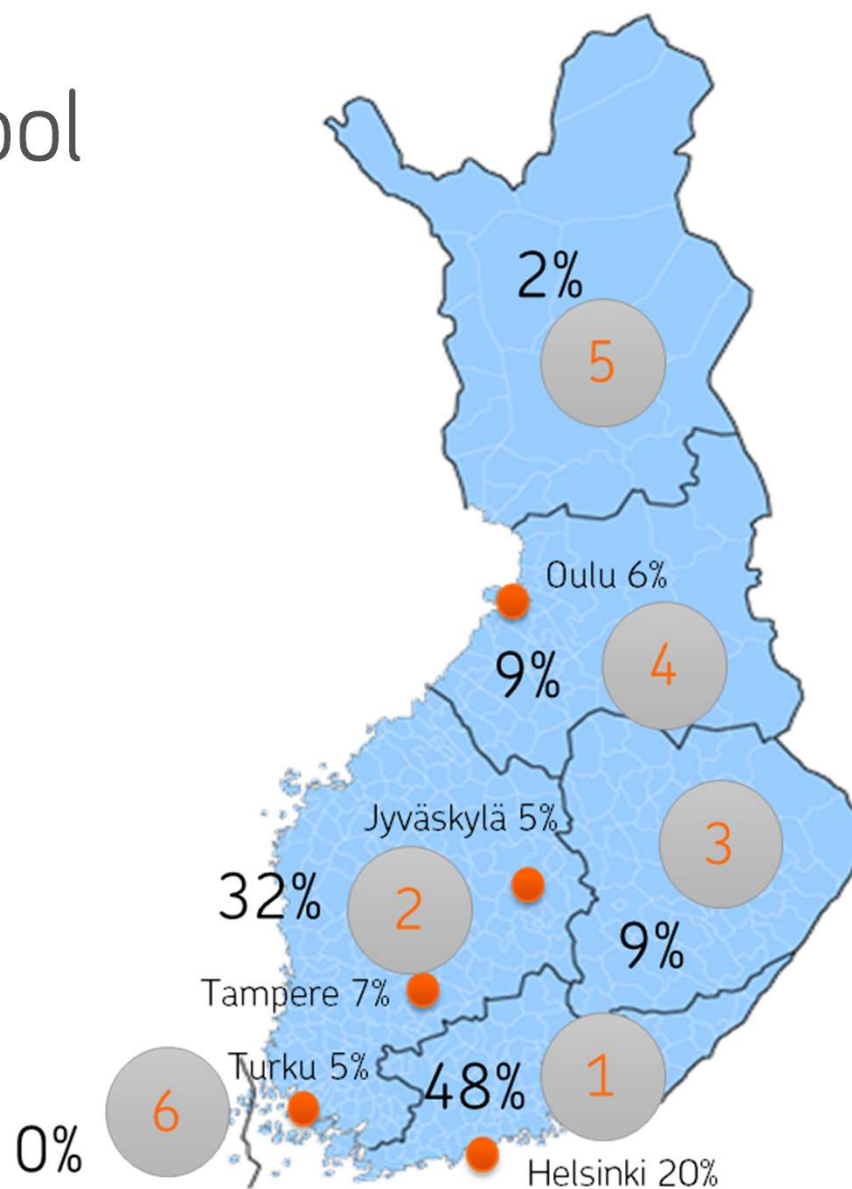
Loans by maturity



OPMB Cover Asset Pool Characteristics

Geographical distribution

- 1 Southern Finland
- 2 Western Finland
- 3 Eastern Finland
- 4 Oulu region
- 5 Lapland
- 6 Åland



A. Harmonised Transparency Template - General Information			HTT 2019		
Reporting in Domestic Currency		EUR			
CONTENT OF TAB A					
1. Basic Facts					
G.111	Country	Finland			
G.112	Issuer Name	OP Mortgage Bank			
G.113	Link to Issuer's Website	https://www.op.fi/op-financial-group/debt-investors/oc-as-investment			
G.114	Cut-off date	30/06/2019			
OG.111	Optional information e.g. Contact names				
OG.112	Optional information e.g. Parent name				
OG.113					
OG.114					
OG.115					
OG.116					
OG.117					
OG.118					
2. Regulatory Summary					
G.2.11	UCITS Compliance (Y/N)	Y			
G.2.12	CRR Compliance (Y/N)	Y			
G.2.13	LCR status	https://www.coveredbondlabel.com/issuer			
OG.2.11					
OG.2.12					
OG.2.13					
OG.2.14					
OG.2.15					
OG.2.16					
3. General Cover Pool / Covered Bond					
General Information		Nominal (mn)			
G.3.11	Total Cover Assets	14,107.82			
G.3.12	Outstanding Covered Bonds	10,895.00			
OG.3.11	Cover Pool Size (MPV) (mn)	ND1			
OG.3.12	Outstanding Covered Bonds (MPV) (mn)	ND1			
OG.3.13					
OG.3.14					
2. Over-collateralisation (OC)		Legal / Regulatory	Actual	Minimum Committed	Purpose
G.3.21	OC (%)	2%	30%	ND1	ND1
OG.3.21	Optional information e.g. Asset Coverage Test (ACT)				
OG.3.22	Optional information e.g. OC (MPV) basis				
OG.3.23					
OG.3.24					
OG.3.25					
OG.3.26					
3. Cover Pool Composition		Nominal (mn)		% Cover Pool	
G.3.31	Mortgages	14,105.78		99.99%	
G.3.32	Public Sector	0.00		0.00%	
G.3.33	Shipping	0.00		0.00%	
G.3.34	Substitute Assets	0.00		0.00%	
G.3.35	Other	2.04		0.0%	
G.3.36	Total	14,108		100%	
OG.3.31	chv (if relevant, please specify)			0.00%	
OG.3.32	chv (if relevant, please specify)			0.00%	
OG.3.33	chv (if relevant, please specify)			0.00%	
OG.3.34	chv (if relevant, please specify)			0.00%	
OG.3.35	chv (if relevant, please specify)			0.00%	
OG.3.36	chv (if relevant, please specify)			0.00%	

Source: OP Mortgage Bank Cover Asset Pool, ECBC Harmonised Transparency Template (HTT) as of 30 June 2019

4. Cover Pool Amortisation Profile		Contractual	Expected Upon Prepayments	% Total Contractual	% Total Expected Upon Prepayments
G.3.4.1	Weighted Average Life (in years)	6.08	ND3		
	Residual Life (mn)				
	By buckets:				
G.3.4.2	0 - 1 Y	2282.15	ND3	16.18%	
G.3.4.3	1 - 2 Y	1434.33	ND3	10.17%	
G.3.4.4	2 - 3 Y	1300.87	ND3	9.22%	
G.3.4.5	3 - 4 Y	1191.79	ND3	8.45%	
G.3.4.6	4 - 5 Y	1080.22	ND3	7.66%	
G.3.4.7	5 - 10 Y	3766.69	ND3	26.70%	
G.3.4.8	10+ Y	3051.77	ND3	21.63%	
G.3.4.9	Total	14108	0	100%	0%
OG.3.4.1	chr 0-1 day			0.00%	
OG.3.4.2	chr 0-0.5y			0.00%	
OG.3.4.3	chr 0.5-1y			0.00%	
OG.3.4.4	chr 1-1.5y			0.00%	
OG.3.4.5	chr 1.5-2y			0.00%	
OG.3.4.6					
OG.3.4.7					
OG.3.4.8				0.00%	
OG.3.4.9				0.00%	
OG.3.4.10					
5. Maturity of Covered Bonds		Initial Maturity	Extended Maturity	% Total Initial Maturity	% Total Extended Maturity
G.3.5.1	Weighted Average life (in years)	4.78	5.77		
	Maturity (mn)				
	By buckets:				
G.3.5.2	0 - 1 Y	1270.00	0.00	11.67%	0.00%
G.3.5.3	1 - 2 Y	1000.00	1270.00	9.19%	11.67%
G.3.5.4	2 - 3 Y	1000.00	1000.00	9.19%	9.19%
G.3.5.5	3 - 4 Y	2250.00	1000.00	20.67%	9.19%
G.3.5.6	4 - 5 Y	2115.00	2365.00	19.43%	21.73%
G.3.5.7	5 - 10 Y	3250.00	4000.00	29.86%	36.75%
G.3.5.8	10+ Y	0.00	1250.00	0.00%	11.48%
G.3.5.9	Total	10,885	10,885	100%	100%
OG.3.5.1	chr 0-1 day			0.00%	0.00%
OG.3.5.2	chr 0-0.5y			0.00%	0.00%
OG.3.5.3	chr 0.5-1y			0.00%	0.00%
OG.3.5.4	chr 1-1.5y			0.00%	0.00%
OG.3.5.5	chr 1.5-2y			0.00%	0.00%
OG.3.5.6					
OG.3.5.7					
OG.3.5.8					
OG.3.5.9					
OG.3.5.10					
6. Covered Assets - Currency		Nominal [before hedging] (mn)	Nominal [after hedging] (mn)	% Total [before]	% Total [after]
G.3.6.1	EUR	10,885	10885.00	100.00%	100.00%
G.3.6.2	AUD	0.00	0.00	0.00%	0.00%
G.3.6.3	BRL	0.00	0.00	0.00%	0.00%
G.3.6.4	CAD	0.00	0.00	0.00%	0.00%
G.3.6.5	CHF	0.00	0.00	0.00%	0.00%
G.3.6.6	CZK	0.00	0.00	0.00%	0.00%
G.3.6.7	DKK	0.00	0.00	0.00%	0.00%
G.3.6.8	GBP	0.00	0.00	0.00%	0.00%
G.3.6.9	HKD	0.00	0.00	0.00%	0.00%
G.3.6.10	JPY	0.00	0.00	0.00%	0.00%
G.3.6.11	KRW	0.00	0.00	0.00%	0.00%
G.3.6.12	NOK	0.00	0.00	0.00%	0.00%
G.3.6.13	PLN	0.00	0.00	0.00%	0.00%
G.3.6.14	SEK	0.00	0.00	0.00%	0.00%
G.3.6.15	SGD	0.00	0.00	0.00%	0.00%
G.3.6.16	USD	0.00	0.00	0.00%	0.00%
G.3.6.17	Other	0.00	0.00	0.00%	0.00%
G.3.6.18	Total	10885	10885	100%	100%
OG.3.6.1	chr [if relevant, please specify]			0.00%	0.00%
OG.3.6.2	chr [if relevant, please specify]			0.00%	0.00%
OG.3.6.3	chr [if relevant, please specify]			0.00%	0.00%
OG.3.6.4	chr [if relevant, please specify]			0.00%	0.00%
OG.3.6.5	chr [if relevant, please specify]			0.00%	0.00%
OG.3.6.6	chr [if relevant, please specify]			0.00%	0.00%
OG.3.6.7	chr [if relevant, please specify]			0.00%	0.00%

Source: OP Mortgage Bank Cover Asset Pool, ECBC Harmonised Transparency Template (HTT) as of 30 June 2019

7. Covered Bonds - Currency		Nominal [before hedging] (mn)	Nominal [after hedging] (mn)	% Total [before]	% Total [after]
G.3.7.1	EUR	10885.00	10885.00	100.00%	100.00%
G.3.7.2	AUD	0.00	0.00	0.00%	0.00%
G.3.7.3	BRL	0.00	0.00	0.00%	0.00%
G.3.7.4	CAD	0.00	0.00	0.00%	0.00%
G.3.7.5	CHF	0.00	0.00	0.00%	0.00%
G.3.7.6	CZK	0.00	0.00	0.00%	0.00%
G.3.7.7	DKK	0.00	0.00	0.00%	0.00%
G.3.7.8	GBP	0.00	0.00	0.00%	0.00%
G.3.7.9	HKD	0.00	0.00	0.00%	0.00%
G.3.7.10	JPY	0.00	0.00	0.00%	0.00%
G.3.7.11	KRW	0.00	0.00	0.00%	0.00%
G.3.7.12	NOK	0.00	0.00	0.00%	0.00%
G.3.7.13	PLN	0.00	0.00	0.00%	0.00%
G.3.7.14	SEK	0.00	0.00	0.00%	0.00%
G.3.7.15	SGD	0.00	0.00	0.00%	0.00%
G.3.7.16	USD	0.00	0.00	0.00%	0.00%
G.3.7.17	Other	0.00	0.00	0.00%	0.00%
G.3.7.18	Total	10885.00	10885.00	100%	100%
OG.3.7.1	chr [if relevant, please specify]				
OG.3.7.2	chr [if relevant, please specify]				
OG.3.7.3	chr [if relevant, please specify]				
OG.3.7.4	chr [if relevant, please specify]				
OG.3.7.5	chr [if relevant, please specify]				
OG.3.7.6	chr [if relevant, please specify]				
OG.3.7.7	chr [if relevant, please specify]				
8. Covered Bonds - Breakdown by interest rate		Nominal [before hedging] (mn)	Nominal [after hedging] (mn)	% Total [before]	% Total [after]
G.3.8.1	Fixed coupon	10885.00	10885.00	100.00%	100.00%
G.3.8.2	Floating coupon	0.00	0.00	0.00%	0.00%
G.3.8.3	Other	0.00	0.00	0.00%	0.00%
G.3.8.4	Total	10885.00	10885.00	100%	100%
OG.3.8.1					
OG.3.8.2					
OG.3.8.3					
OG.3.8.4					
OG.3.8.5					
9. Substitute Assets - Type		Nominal (mn)	% Substitute Assets		
G.3.9.1	Cash	0.00			
G.3.9.2	Exposures to/guaranteed by Supranational, Sovereign, Agencies (SSA)	0.00			
G.3.9.3	Exposures to central banks	0.00			
G.3.9.4	Exposures to credit institutions	0.00			
G.3.9.5	Other	0.00			
G.3.9.6	Total	0		0%	
OG.3.9.1	chr EU gvts or quasi gvts				
OG.3.9.2	chr third-party countries Credit Quality Step 1 (CQS1) gvts or quasi gvts				
OG.3.9.3	chr third-party countries Credit Quality Step 2 (CQS2) gvts or quasi gvts				
OG.3.9.4	chr EU central banks				
OG.3.9.5	chr third-party countries Credit Quality Step 1 (CQS1) central				
OG.3.9.6	chr third-party countries Credit Quality Step 2 (CQS2) central				
OG.3.9.7	chr CQS1 credit institutions				
OG.3.9.8	chr CQS2 credit institutions				
OG.3.9.9					
OG.3.9.10					
OG.3.9.11					
OG.3.9.12					

Source: OP Mortgage Bank Cover Asset Pool, ECBC Harmonised Transparency Template (HTT) as of 30 June 2019

10. Substitute Assets - Country		Nominal (mn)	% Substitute Assets	
G.3.10.1	Domestic (Country of Issuer)	0.00		
G.3.10.2	Eurozone	0.00		
G.3.10.3	Rest of European Union (EU)	0.00		
G.3.10.4	European Economic Area (not member of EU)	0.00		
G.3.10.5	Switzerland	0.00		
G.3.10.6	Australia	0.00		
G.3.10.7	Brazil	0.00		
G.3.10.8	Canada	0.00		
G.3.10.9	Japan	0.00		
G.3.10.10	Korea	0.00		
G.3.10.11	New Zealand	0.00		
G.3.10.12	Singapore	0.00		
G.3.10.13	US	0.00		
G.3.10.14	Other	0.00		
G.3.10.15	Total EU	0.00		
G.3.10.16	Total	0.00	0%	
OG.3.10.1	d/w [If relevant, please specify]			
OG.3.10.2	d/w [If relevant, please specify]			
OG.3.10.3	d/w [If relevant, please specify]			
OG.3.10.4	d/w [If relevant, please specify]			
OG.3.10.5	d/w [If relevant, please specify]			
OG.3.10.6	d/w [If relevant, please specify]			
OG.3.10.7	d/w [If relevant, please specify]			
11. Liquid Assets		Nominal (mn)	% Cover Pool	% Covered Bonds
G.3.11.1	Substitute and other marketable assets	14107.82	100.00%	129.61%
G.3.11.2	Central bank eligible assets	0.00	0.00%	0.00%
G.3.11.3	Other	0.00	0.00%	0.00%
G.3.11.4	Total	14107.82	100%	130%
OG.3.11.1	d/w [If relevant, please specify]			
OG.3.11.2	d/w [If relevant, please specify]			
OG.3.11.3	d/w [If relevant, please specify]			
OG.3.11.4	d/w [If relevant, please specify]			
OG.3.11.5	d/w [If relevant, please specify]			
OG.3.11.6	d/w [If relevant, please specify]			
OG.3.11.7	d/w [If relevant, please specify]			
12. Bond List				
G.3.12.1	Bond list	https://www.coveredbondlabel.com/issuer/		
13. Derivatives & Swaps				
G.3.13.1	Derivatives in the register / cover pool [notional] (mn)	6290.74		
G.3.13.2	Type of interest rate swaps (intra-group, external or both)	intra-group		
G.3.13.3	Type of currency rate swaps (intra-group, external or both)	ND2		
OG.3.13.1	NPV of Derivatives in the cover pool (mn)			
OG.3.13.2	Derivatives outside the cover pool [notional] (mn)			
OG.3.13.3	NPV of Derivatives outside the cover pool (mn)			

B1. Harmonised Transparency Template - Mortgage Assets			HTT 2019		
	Reporting in Domestic Currency	EUR			
	CONTENT OF TAB B1				
	7. Mortgage Assets				
	7.A Residential Cover Pool				
	7.B Commercial Cover Pool				
Field Number	7. Mortgage Assets				
	1. Property Type Information	Nominal (mn)	% Total Mortgages		
M.7.11	Residential	14105.78			100.00%
M.7.12	Commercial	0.00			0.00%
M.7.13	Other	0.00			0.00%
M.7.14	Total	14105.78			100%
OM.7.11	dlw Housing Cooperatives / Multi-family assets				0.00%
OM.7.12	dlw Forest & Agriculture				0.00%
OM.7.13	dlw [If relevant, please specify]				0.00%
OM.7.14	dlw [If relevant, please specify]				0.00%
OM.7.15	dlw [If relevant, please specify]				0.00%
OM.7.16	dlw [If relevant, please specify]				0.00%
OM.7.17	dlw [If relevant, please specify]				0.00%
OM.7.18	dlw [If relevant, please specify]				0.00%
OM.7.19	dlw [If relevant, please specify]				0.00%
OM.7.1.10	dlw [If relevant, please specify]				0.00%
OM.7.1.11	dlw [If relevant, please specify]				0.00%
	2. General Information	Residential Loans	Commercial Loans	Total Mortgages	
M.7.2.1	Number of mortgage loans	278454	0	278454	
OM.7.2.1	Optional information eg. Number of borrowers				
OM.7.2.2	Optional information eg. Number of guarantors				
OM.7.2.3					
OM.7.2.4					
OM.7.2.5					
OM.7.2.6					
	3. Concentration Risks	% Residential Loans	% Commercial Loans	% Total Mortgages	
M.7.3.1	10 largest exposures	0.10	0.00	0.10	
OM.7.3.1					
OM.7.3.2					
OM.7.3.3					
OM.7.3.4					
OM.7.3.5					
OM.7.3.6					

4. Breakdown by Geography		% Residential Loans	% Commercial Loans	% Total Mortgages	
M.7.4.1	European Union	100.0%	0.0%	100.0%	
M.7.4.2	Austria				
M.7.4.3	Belgium				
M.7.4.4	Bulgaria				
M.7.4.5	Croatia				
M.7.4.6	Cyprus				
M.7.4.7	Czech Republic				
M.7.4.8	Denmark				
M.7.4.9	Estonia				
M.7.4.10	Finland	100.0%		100.0%	
M.7.4.11	France				
M.7.4.12	Germany				
M.7.4.13	Greece				
M.7.4.14	Netherlands				
M.7.4.15	Hungary				
M.7.4.16	Ireland				
M.7.4.17	Italy				
M.7.4.18	Latvia				
M.7.4.19	Lithuania				
M.7.4.20	Luxembourg				
M.7.4.21	Malta				
M.7.4.22	Poland				
M.7.4.23	Portugal				
M.7.4.24	Romania				
M.7.4.25	Slovakia				
M.7.4.26	Slovenia				
M.7.4.27	Spain				
M.7.4.28	Sweden				
M.7.4.29	United Kingdom				
M.7.4.30	European Economic Area (not member of EU)	0.0%	0.0%	0.0%	
M.7.4.31	Iceland				
M.7.4.32	Liechtenstein				
M.7.4.33	Norway				
M.7.4.34	Other	0.0%	0.0%	0.0%	
M.7.4.35	Switzerland				
M.7.4.36	Australia				
M.7.4.37	Brazil				
M.7.4.38	Canada				
M.7.4.39	Japan				
M.7.4.40	Korea				
M.7.4.41	New Zealand				
M.7.4.42	Singapore				
M.7.4.43	US				
M.7.4.44	Other				
OM.7.4.1	div (if relevant, please specify)				
OM.7.4.2	div (if relevant, please specify)				
OM.7.4.3	div (if relevant, please specify)				
OM.7.4.4	div (if relevant, please specify)				
OM.7.4.5	div (if relevant, please specify)				
OM.7.4.6	div (if relevant, please specify)				
OM.7.4.7	div (if relevant, please specify)				
OM.7.4.8	div (if relevant, please specify)				
OM.7.4.9	div (if relevant, please specify)				
OM.7.4.10	div (if relevant, please specify)				

5. Breakdown by regions of main country of origin		% Residential Loans	% Commercial Loans	% Total Mortgages	
M.7.5.1	Aland Islands	0.18		0.18	
M.7.5.2	Central Finland	4.77		4.77	
M.7.5.3	Central Ostrobothnia	1.24		1.24	
M.7.5.4	Etela-Savo	1.79		1.79	
M.7.5.5	Kainuu	0.70		0.00	
M.7.5.6	Kanta-Hame	3.76		0.70	
M.7.5.7	Kymenlaakso	2.46		3.76	
M.7.5.8	Lapland	1.60		2.46	
M.7.5.9	North Karelia	2.81		1.60	
M.7.5.10	North Ostrobothnia	8.77		2.81	
M.7.5.11	Ostrobothnia	2.08		8.77	
M.7.5.12	Paijat-Hame	3.42		2.08	
M.7.5.13	Pirkanmaa	9.81		3.42	
M.7.5.14	Pohjois-Savo	3.99		9.81	
M.7.5.15	Satakunta	3.68		3.99	
M.7.5.16	South Karelia	2.24		3.68	
M.7.5.17	South Ostrobothnia	1.67		2.24	
M.7.5.18	Uusimaa	35.51		1.67	
M.7.5.19	Varsinais-Suomi	9.52		35.51	
M.7.5.20				9.52	
6. Breakdown by Interest Rate		% Residential Loans	% Commercial Loans	% Total Mortgages	
M.7.6.1	Fixed rate	2.17		2.17	
M.7.6.2	Floating rate	97.83		97.83	
M.7.6.3	Other	0.00		0.00	
OM.7.6.1					
OM.7.6.2					
OM.7.6.3					
OM.7.6.4					
OM.7.6.5					
OM.7.6.6					
7. Breakdown by Repayment Type		% Residential Loans	% Commercial Loans	% Total Mortgages	
M.7.7.1	Bullet / interest only	0.00		0.00	
M.7.7.2	Amortising	100.00		100.00	
M.7.7.3	Other	0.00		0.00	
OM.7.7.1					
OM.7.7.2					
OM.7.7.3					
OM.7.7.4					
OM.7.7.5					
OM.7.7.6					
8. Loan Seasoning		% Residential Loans	% Commercial Loans	% Total Mortgages	
M.7.8.1	Up to 12months	10.42		10.42	
M.7.8.2	≥ 12 - ≤ 24 months	10.93		10.93	
M.7.8.3	≥ 24 - ≤ 36 months	10.50		10.50	
M.7.8.4	≥ 36 - ≤ 60 months	16.79		16.79	
M.7.8.5	≥ 60 months	51.35		51.35	
OM.7.8.1					
OM.7.8.2					
OM.7.8.3					
OM.7.8.4					
9. Non-Performing Loans (NPLs)		% Residential Loans	% Commercial Loans	% Total Mortgages	
M.7.9.1	% NPLs	0.0%		0.0%	

Source: OP Mortgage Bank Cover Asset Pool, ECBC Harmonised Transparency Template (HTT) as of 30 June 2019

7.A Residential Cover Pool					
10. Loan Size Information		Nominal	Number of Loans	% Residential Loans	% No. of Loans
M.7A.10.1	Average loan size (000s)	50.66			
	By buckets (mn):				
M.7A.10.2	0 - 0.025000	1403.77	113259	9.95%	40.67%
M.7A.10.3	0.025001 - 0.050000	2333.16	64242	16.54%	23.07%
M.7A.10.4	0.050001 - 0.100000	4449.29	62491	31.54%	22.44%
M.7A.10.5	0.100001 - 0.150000	2892.16	23911	20.50%	8.59%
M.7A.10.6	0.150001 - 0.200 000	1515.61	8858	10.74%	3.18%
M.7A.10.7	0.200001 - 0.250000	720.48	3251	5.11%	1.17%
M.7A.10.8	0.250001 - 0.300000	344.21	1264	2.44%	0.45%
M.7A.10.9	0.300001 -	447.10	1178	3.17%	0.42%
M.7A.10.10					
M.7A.10.11					
M.7A.10.12					
M.7A.10.13					
M.7A.10.14					
M.7A.10.15					
M.7A.10.16					
M.7A.10.17					
M.7A.10.18					
M.7A.10.19					
M.7A.10.20					
M.7A.10.21					
M.7A.10.22					
M.7A.10.23					
M.7A.10.24					
M.7A.10.25					
M.7A.10.26	Total	14105.78	278454	100%	100%
11. Loan to Value (LTV) Information - UNINDEXED		Nominal	Number of Loans	% Residential Loans	% No. of Loans
M.7A.11.1	Weighted Average LTV (%)	47.36			
	By LTV buckets (mn):				
M.7A.11.2	>0 - <=40 %	11451.78	278347	81.21%	52.01%
M.7A.11.3	>40 - <=50 %	1422.70	121355	10.09%	22.67%
M.7A.11.4	>50 - <=60 %	835.90	79898	5.93%	14.93%
M.7A.11.5	>60 - <=70 %	333.84	42332	2.37%	7.91%
M.7A.11.6	>70 - <=80 %	51.24	11407	0.36%	2.13%
M.7A.11.7	>80 - <=90 %	5.57	1517	0.04%	0.28%
M.7A.11.8	>90 - <=100 %	0.97	292	0.01%	0.05%
M.7A.11.9	>100%	0.25	75	0.00%	0.01%
M.7A.11.10	Total	14102.25	535223	100%	100%
OM.7A.11.1	dlw > 100 - <= 110 %			0.00%	0.00%
OM.7A.11.2	dlw > 110 - <= 120 %			0.00%	0.00%
OM.7A.11.3	dlw > 120 - <= 130 %			0.00%	0.00%
OM.7A.11.4	dlw > 130 - <= 140 %			0.00%	0.00%
OM.7A.11.5	dlw > 140 - <= 150 %			0.00%	0.00%
OM.7A.11.6	dlw > 150 %			0.00%	0.00%
OM.7A.11.7					
OM.7A.11.8					
OM.7A.11.9					

12. Loan to Value (LTV) Information - INDEXED		Nominal	Number of Loans	% Residential Loans	% No. of Loans
M.7A.12.1	Weighted Average LTV (%)	45.76			
	By LTV buckets (mn):				
M.7A.12.2	>0 - <=40 %	11677.37	278454	82.78%	55.37%
M.7A.12.3	>40 - <=50 %	1378.98	114355	9.78%	22.74%
M.7A.12.4	>50 - <=60 %	767.43	71343	5.44%	14.19%
M.7A.12.5	>60 - <=70 %	246.29	32203	1.75%	6.40%
M.7A.12.6	>70 - <=80 %	30.73	5271	0.22%	1.05%
M.7A.12.7	>80 - <=90 %	4.35	1078	0.03%	0.21%
M.7A.12.8	>90 - <=100 %	0.64	200	0.00%	0.04%
M.7A.12.9	>100%	0.00	0	0.00%	0.00%
M.7A.12.10	Total	14105.78	502904	100%	100%
OM.7A.12.1	div > 100 - <= 120 %			0.00%	0.00%
OM.7A.12.2	div > 120 - <= 130 %			0.00%	0.00%
OM.7A.12.3	div > 130 - <= 140 %			0.00%	0.00%
OM.7A.12.4	div > 140 - <= 150 %			0.00%	0.00%
OM.7A.12.5	div > 150 %			0.00%	0.00%
OM.7A.12.6					
OM.7A.12.7					
OM.7A.12.8					
OM.7A.12.9					
13. Breakdown by type		% Residential Loans			
M.7A.13.1	Owner occupied	96.01			
M.7A.13.2	Second home/Holiday houses	1.21			
M.7A.13.3	Buy-to-let/Non-owner occupied	0.54			
M.7A.13.4	Agricultural	2.23			
M.7A.13.5	Other	0.00			
OM.7A.13.1	div Subsidised housing				
OM.7A.13.2	div Private rental				
OM.7A.13.3	div Multi-family housing				
OM.7A.13.4	div Buildings under construction				
OM.7A.13.5	div Buildings land				
OM.7A.13.6	div (If relevant, please specify)				
OM.7A.13.7	div (If relevant, please specify)				
OM.7A.13.8	div (If relevant, please specify)				
OM.7A.13.9	div (If relevant, please specify)				
OM.7A.13.10	div (If relevant, please specify)				
OM.7A.13.11	div (If relevant, please specify)				
14. Loan by Ranking		% Residential Loans			
M.7A.14.1	1st lien / No prior ranks	100.00			
M.7A.14.2	Guaranteed	0.00			
M.7A.14.3	Other	0.00			
OM.7A.14.1					
OM.7A.14.2					
OM.7A.14.3					
OM.7A.14.4					
OM.7A.14.5					
OM.7A.14.6					

7B Commercial Cover Pool						
15. Loan Size Information						
		Nominal	Number of Loans		% Commercial Loans	% No. of Loans
M.7B.15.1	Average loan size (000s)					
	By buckets (mn):					
M.7B.15.2	0 - 0.100000	0.00	0			
M.7B.15.3	0.100001 - 0.200000	0.00	0			
M.7B.15.4	0.200001 - 0.300000	0.00	0			
M.7B.15.5	0.300001 - 0.400000	0.00	0			
M.7B.15.6	0.400001 - 0.500000	0.00	0			
M.7B.15.7	0.500001 - 0.600000	0.00	0			
M.7B.15.8	0.600001 - 0.700000	0.00	0			
M.7B.15.9	0.700001 - 0.800000	0.00	0			
M.7B.15.10	0.800001 - 0.900000	0.00	0			
M.7B.15.11	0.900001 - 1.000000	0.00	0			
M.7B.15.12	1.000001 -	0.00	0			
M.7B.15.13						
M.7B.15.14						
M.7B.15.15						
M.7B.15.16						
M.7B.15.17						
M.7B.15.18						
M.7B.15.19						
M.7B.15.20						
M.7B.15.21						
M.7B.15.22						
M.7B.15.23						
M.7B.15.24						
M.7B.15.25						
M.7B.15.26	Total	0.00	0		0%	0%
16. Loan to Value (LTV) Information - UNINDEXED						
		Nominal	Number of Loans		% Commercial Loans	% No. of Loans
M.7B.16.1	Weighted Average LTV (%)					
	By LTV buckets (mn):					
M.7B.16.2	>0 - <=40 %	0.00	0			
M.7B.16.3	>40 - <=50 %	0.00	0			
M.7B.16.4	>50 - <=60 %	0.00	0			
M.7B.16.5	>60 - <=70 %	0.00	0			
M.7B.16.6	>70 - <=80 %	0.00	0			
M.7B.16.7	>80 - <=90 %	0.00	0			
M.7B.16.8	>90 - <=100 %	0.00	0			
M.7B.16.9	>100 %	0.00	0			
M.7B.16.10	Total	0.00	0		0%	0%
OM.7B.16.1	dlv > 100 - <= 110 %					
OM.7B.16.2	dlv > 110 - <= 120 %					
OM.7B.16.3	dlv > 120 - <= 130 %					
OM.7B.16.4	dlv > 130 - <= 140 %					
OM.7B.16.5	dlv > 140 - <= 150 %					
OM.7B.16.6	dlv > 150 %					
OM.7B.16.7						
OM.7B.16.8						
OM.7B.16.9						

Source: OP Mortgage Bank Cover Asset Pool, ECBC Harmonised Transparency Template (HTT) as of 30 June 2019

17. Loan to Value (LTV) Information - INDEXED		Nominal	Number of Loans	% Commercial Loans	% No. of Loans
M.7B.17.1	Weighted Average LTV (%)				
	By LTV buckets (mn):				
M.7B.17.2	>0 - <=40 %	0.00	0		
M.7B.17.3	>40 - <=50 %	0.00	0		
M.7B.17.4	>50 - <=60 %	0.00	0		
M.7B.17.5	>60 - <=70 %	0.00	0		
M.7B.17.6	>70 - <=80 %	0.00	0		
M.7B.17.7	>80 - <=90 %	0.00	0		
M.7B.17.8	>90 - <=100 %	0.00	0		
M.7B.17.9	>100%	0.00	0		
M.7B.17.10	Total	0.00	0	0%	0%
OM.7B.17.1	div > 100 - <= 110.0%				
OM.7B.17.2	div > 110 - <= 120.0%				
OM.7B.17.3	div > 120 - <= 130.0%				
OM.7B.17.4	div > 130 - <= 140.0%				
OM.7B.17.5	div > 140 - <= 150.0%				
OM.7B.17.6	div > 150.0%				
OM.7B.17.7					
OM.7B.17.8					
OM.7B.17.9					
18. Breakdown by Type		% Commercial loans			
M.7B.18.1	Retail				
M.7B.18.2	Office				
M.7B.18.3	Hotel/Tourism				
M.7B.18.4	Shopping malls				
M.7B.18.5	Industry				
M.7B.18.6	Agriculture				
M.7B.18.7	Other commercially used				
M.7B.18.8	Land				
M.7B.18.9	Property developers / Building under construction				
M.7B.18.10	Other				
OM.7B.18.1	div Social & Cultural purposes				
OM.7B.18.2	div (If relevant, please specify)				
OM.7B.18.3	div (If relevant, please specify)				
OM.7B.18.4	div (If relevant, please specify)				
OM.7B.18.5	div (If relevant, please specify)				
OM.7B.18.6	div (If relevant, please specify)				
OM.7B.18.7	div (If relevant, please specify)				
OM.7B.18.8	div (If relevant, please specify)				
OM.7B.18.9	div (If relevant, please specify)				
OM.7B.18.10	div (If relevant, please specify)				
OM.7B.18.11	div (If relevant, please specify)				
OM.7B.18.12	div (If relevant, please specify)				
OM.7B.18.13	div (If relevant, please specify)				
OM.7B.18.14	div (If relevant, please specify)				
OM.7B.18.15	div (If relevant, please specify)				
OM.7B.18.16	div (If relevant, please specify)				
OM.7B.18.17	div (If relevant, please specify)				

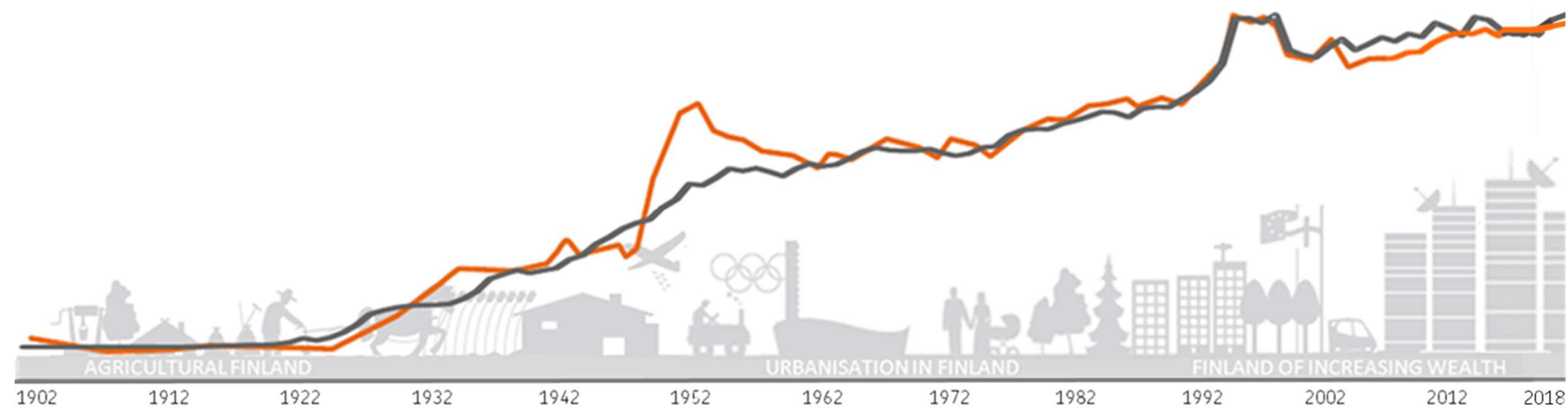
E. Harmonised Transparency Template - Optional ECB - ECAIs Data Disclosure

[illegible]

OP's market shares in 2018

Deposits 38.4%

Loans 35.5%



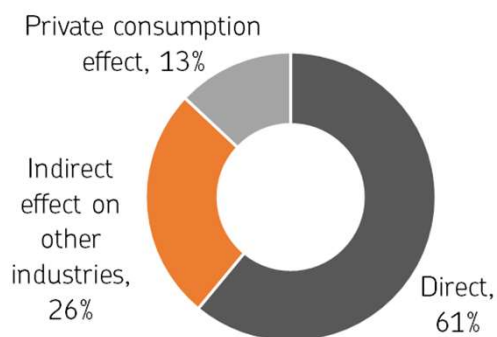
Appendix

Export industry impacting widely on the Finnish economy

Largest indirect effects seen on Transportation & storage, Wholesale & retail trade and Agriculture, forestry & fishery

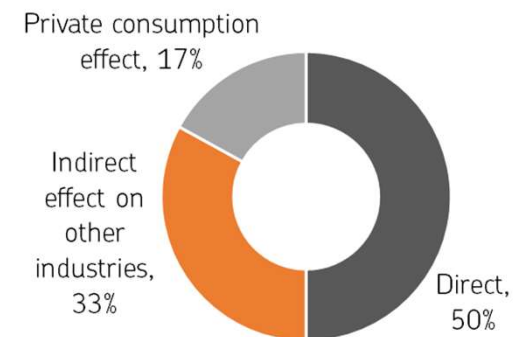
Export industry turnover €219 bn in 2017

€213 bn continuing business operations, €6 bn investments



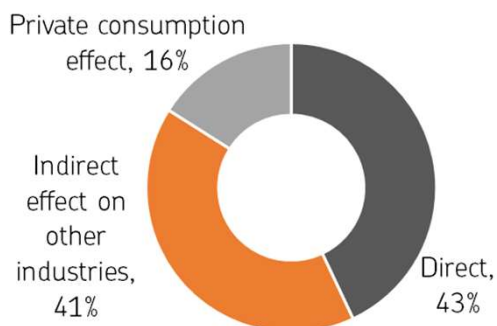
Value increase in GDP €90 bn in 2017

Creating 46% of total GDP value increase



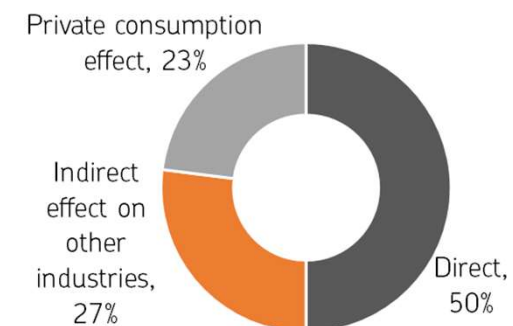
Employment effect >1 mn in 2017

Impacting 43% of total employees



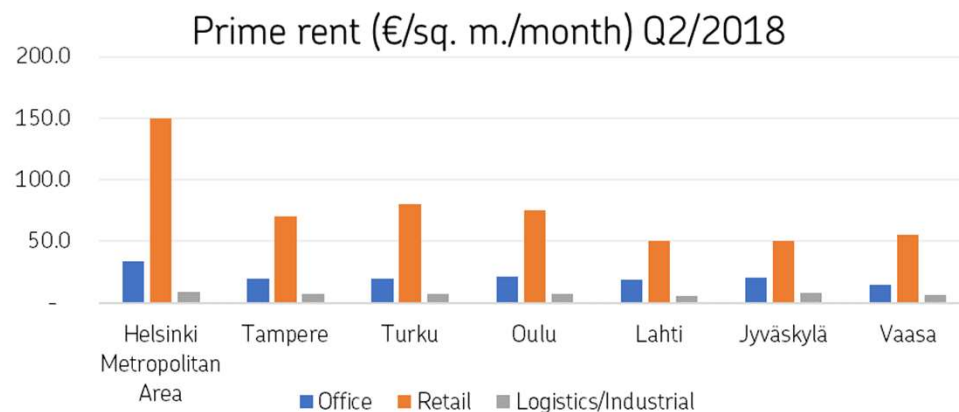
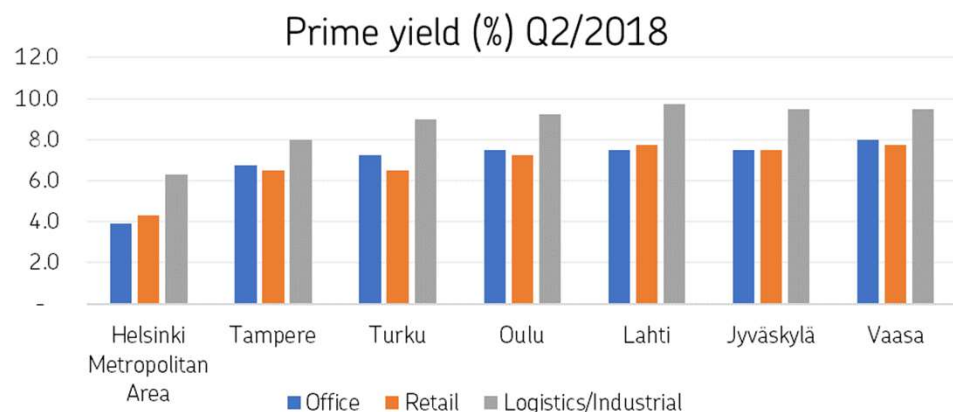
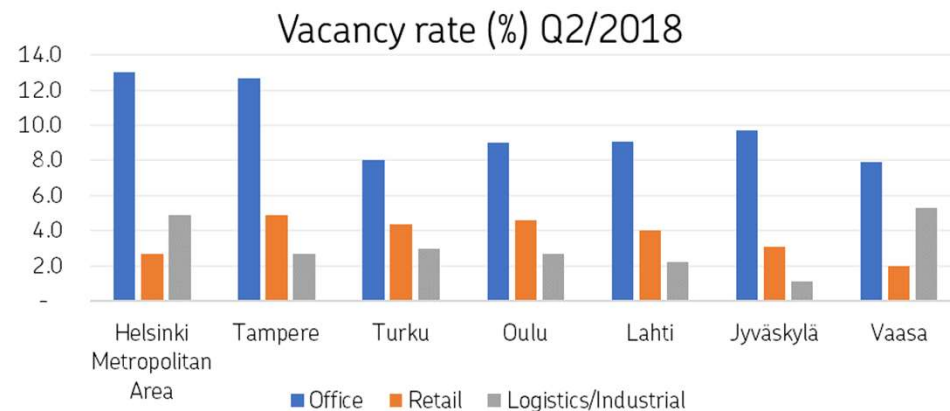
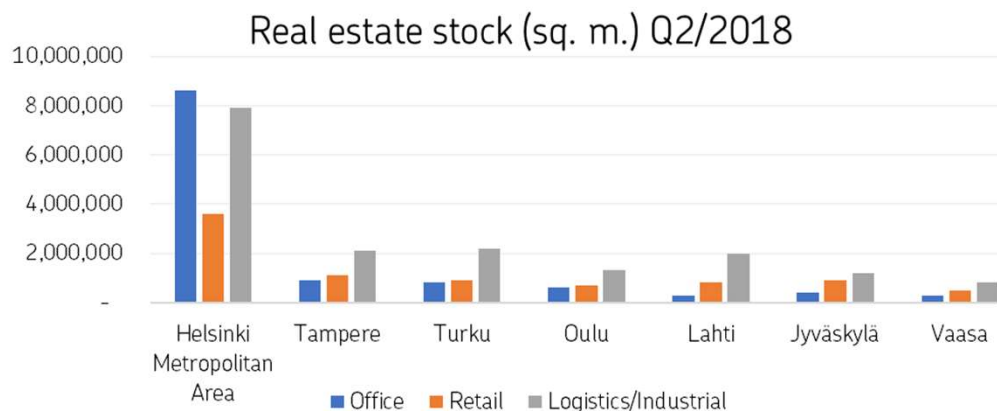
Tax accrual effect €28 bn in 2017

Generating 29% of total tax accrual



Commercial real estate market in largest Finnish cities

Total value of direct property investments* €63.7 bn at YE2017



Rental levels and yields are based on following criteria: Rents are gross rents. Retail premises: Street level retail premises in the central business district (CBD), well-known domestic or international tenant, 3–5-year lease agreement and initial yield without renovations. Office premises: Modern or renovated premises in the CBD with good rentability, stable anchor tenants, 3–5-year lease agreements and initial yield without renovations. Logistics/Industrial premises: Ordinary premises located in a good industrial area, newer medium-sized building without major renovations needed, one stable tenant, 5–7-year lease agreement and initial yield without renovations. Particularly long lease agreements currently decrease yields by approx. 0.1–0.5% points in the Helsinki CBD and 0.1–0.7% points in other submarkets.

Sources: Catella Property Oy, Real Estate Market Finland (Autumn 2018) & KTI

* Including Office, Retail, Industrial, Residential (property investments), Hotel, Care and other

Group structure incl. major subsidiaries

1.95 million owner-customers, of which 90% households

153 OP Financial Group member cooperative banks

OP COOPERATIVE

RETAIL BANKING

- Helsinki Area Cooperative Bank 3)
- Member cooperative banks
- OP Card Company Plc 1)
- OP Mortgage Bank 1)

CORPORATE BANKING

- OP Corporate Bank plc 1) (Banking)
 - OP Finance AS
 - OP Finance SIA
 - UAB OP Finance
- OP Asset Management Ltd 1)
- OP Fund Management Company Ltd 1)
- OP Property Management Ltd 1)

INSURANCE

- Pohjola Insurance Ltd 2)
 - Eurooppalainen Insurance Company Ltd 4)
 - Pohjola Hospital Ltd
- A-Insurance Ltd 6)
- OP Life Assurance Company Ltd 1)

OTHER OPERATIONS

- OP Services Ltd 1)
- OP Customer Services Ltd 1), 5)
- Pivo Wallet Oy 1)
- Checkout Finland Oy 1), 7)
- OP Custody Ltd 1), 8)
- OP Corporate Bank plc 1) (Group Treasury)

The legal restructuring of OP Financial Group's central cooperative consolidated streamlines the group structure, simplifies management and makes the cost structure slimmer.

1) OP Cooperative's ownership 100%

2) Planned to be transferred with its subsidiaries from OP Corporate Bank plc to OP Cooperative's direct ownership in the future

3) OP Cooperative's control 2/3

4) Planned to be merged into Pohjola Insurance Ltd on 31 October 2019

5) Planned to be merged into OP Card Company Plc on 30 November 2019

6) Planned to be merged into Pohjola Insurance Ltd on 30 March 2020

7) Planned to be merged into OP Corporate Bank plc on 31 December 2019

8) Planned to be transferred from OP Cooperative to OP Corporate Bank plc's full ownership on 31 August 2019. OP Corporate Bank's custody and clearing business and its custodian business are planned to be transferred to OP Custody Ltd on 1 November 2019.

OP's group-level strategic targets

(in accordance with the strategy affirmed in 2016, targets valid until YE2019)

INDICATOR	TARGET 2019	30 June 2019	2018	2017	2016	2015
Customer experience (CX)*, NPS for brand	25	30	23	22	23	-
NPS for service	70	61	61	58	53	-
CET1 ratio	22%	19.5%	20.5%	20.1%	20.1%	19.5%
Return on economic capital (12-month rolling)	22%	20.4%	20.8%	20.4%	22.7%	21.5%
Expenses of present-day business (12-month rolling)	Expenses in 2020 at the same level as in 2015 (€1,500 mn)	€1,839 mn	€1,833 mn	€1,661 mn	€1,532 mn	€1,500 mn
Owner-customers, number	2.0 mn	1.95 mn	1.91 mn	1.8 mn	1.7 mn	1.5 mn

* OP's customer experience (CX) metric is based on the Net Promoter Score (NPS) that measures likelihood of recommendation. NPS for the brand gauges the overall customer experience of OP. The NPS for service measures what kind of customer experience OP manages to create in individual service encounters in all channels. NPS can range between -100 and +100.

Owner-customer relationship rationale

Based on co-operative company form and mission:

We promote our owner-customers' and operating environment's sustainable financial prosperity, safety and wellbeing



Recent developments within digital channels

OP Mobile App

Fingerprint authentication

Mobile Key to replace key code lists in autumn 2019 (900,000 users)

Daily Banking: Accounts, Cards, Payments...

Loans: Loan details, Financing options...

Non-life insurance: Loss reports, Policy details,

Travel insurance cards...

Investments: Trading in equities and mutual funds,

Investment details, Market monitoring

Siirto Payment – Real-time P2P money transfers with mobile number

OP.fi

Internet Bank

Re-designed internet bank and website at op.fi

New customership

digitally

Mobile Key

Pivo Mobile Wallet App

Contactless payment

Siirto Payment and Pivo P2P – Real-time money transfers with mobile number

Siirto and Pivo payment buttons at webshops enabling purchases without key code list or card's PIN

Pivo wearable payment solutions

Pivo 2018-19 renewal: Pivo consumer loan, Pivo facial payment pilot, services & benefits from partners

OP Developer platform

Opening application programming interfaces for external developers



OP Business Mobile App

for corporate customers' loans, daily banking, invoicing and monitoring receivables
Mobile Key (>70% of customers using)

OP Accessible

Accessible web service providing basic banking services to those who are unable to use eg. the op.fi service or OP Mobile App due to vision or hearing impairments, motoric challenges or other functional defects, available at saavutettava.op.fi

OP Cashier App

for corporate customers' payment transactions and sales

Opotti

Chatbot service for banking customers

WeChat mobile payments

in cooperation with a Chinese IT company Tencent (autumn 2019)

Social media channels & op.media

for customer service, employee interaction and sharing expertise



Health and wellbeing business

2019: Strategic focus on orthopaedics and sports clinic activities

- Pohjola Health Ltd changed its name to Pohjola Hospital Ltd as of 1 June 2019
- Pohjola Hospital Ltd sold its occupational healthcare services to Mehiläinen (1 June 2019) and will not open any medical centres as previously anticipated
- Pohjola Hospital Ltd will give up on basic healthcare and special healthcare services

2016–18: Expansion to university hospital cities

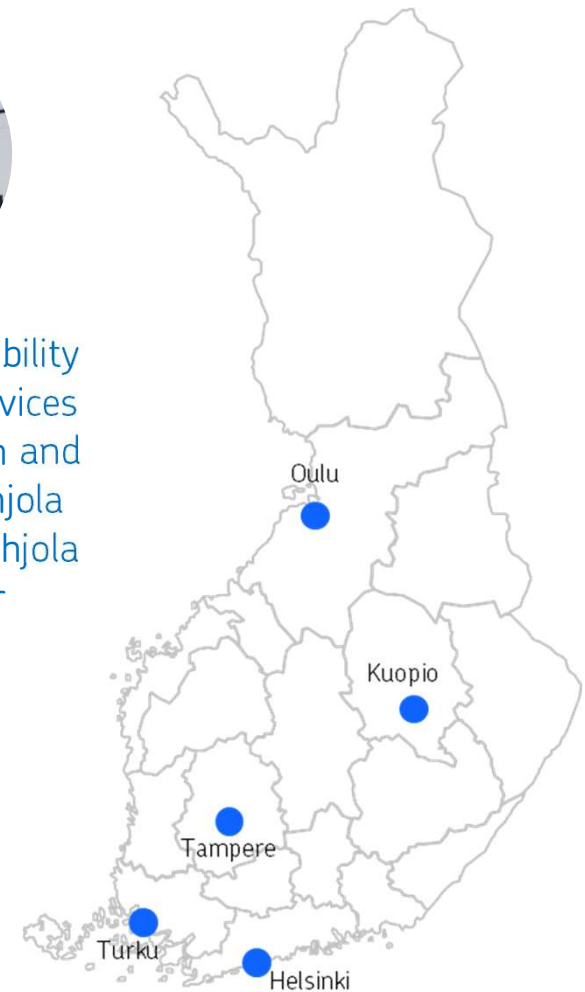
- 4 more Pohjola Health hospitals were opened in Tampere (August 2016), in Oulu (May 2017), in Kuopio (August 2017) and in Turku (May 2018)

2013–15: Launching the hospital concept

- First Pohjola Health hospital was opened in Helsinki (early 2013)
- Innovative concept of basic healthcare and special healthcare services, examinations, surgery and rehabilitation services to private and occupational healthcare customers
- Faster care chain and more efficient claims handling process resulting to incomparable customer satisfaction (NPS among surgery customers 97 in H1/19)



Nationwide accessibility through digital services designed for health and wellbeing, eg. Pohjola Health App and Pohjola Health Advisor



OP is highly committed to ESG

International ESG commitments



UN Global Compact initiative – signed in 2011
10 principles on human rights, labour standards, environment and anti-corruption



UN Principles for Responsible Investment (UNPRI) – signed in 2009
Commitment by OP Asset Management Ltd, OP Fund Management Company Ltd and OP Property Management Ltd



Montréal Carbon Pledge – signed in 2015
Measuring the carbon footprint of funds and complying with CDP's climate change, water and deforestation initiatives



Equator Principles – signed in 2016
Project financing that manages risks related to environmental issues and social responsibility



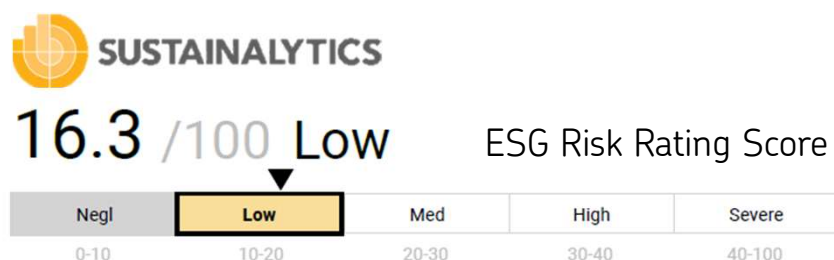
OECD Guidelines for Multinational Enterprises
Incl. voluntary CSR principles and standards

Participation in ESG organisations and initiatives

- Finland's Sustainable Investment Forum (FINSIF)
- Climate Leadership Coalition (CLC)
- Global Compact Nordic Network
- CR network of the Finnish Business & Society association (FIBS)
- FIBS Diversity Charter Finland
- CSR Working Group of the European Association of Co-operative Banks (EACB)
- CSR Working Group of Finance Finland
- EeMAP (Energy efficiency Mortgages & Action Plan) Initiative
- OP Insurance Ltd & Compensate Foundation cooperation
- OP Asset Management Ltd: official supporter of The Task Force on Climate-related Financial Disclosures

OP's and its issuing entities' performance in external ESG ratings

OP Financial Group



Source: Sustainalytics, September 2018



Source: Sustainalytics, 2018



Source: Oekom, June 2017



Source: Vigeo, the most recent rating profile on above themes available as of April 2017



Source: MSCI, March 2019



OP's CDP Survey
Score in 2018:
B
Company has taken actions to address environmental issues beyond initial screenings or assessments.

Source: CDP (www.cdp.net/en)

OP Corporate Bank



Source: Imug, March 2019

OP Mortgage Bank



Source: Imug, March 2019

OP's ESG measures in 2015–19

Group-level measures eg.

- Climate Leadership Coalition (CLC) membership
- LEED certificates of OP HQ premises and Pohjola Hospitals
- Solar power stations in OP HQ premises, Pohjola Hospitals and buildings of OP Property Management
- Electricity used in OP HQ premises 100% renewable
- WWF Finland Green Office system applied for environmentally-friendly premise management – eg. in OP HQ premises, carbon footprint of OP's employees is mitigated by remote work opportunity and incentives to use public transportation
- OP Code of Business Ethics & related online course to all OP employees

Banking / Group Funding

- OP Green Bond Framework (2018) aiming to increase sustainable financing through issuing green bonds and allocating proceeds to green customer assets
- In May 2019, OP Corporate Bank granted the first corporate loan which terms and conditions (margin) are tied to ESG performance targets

Non-life Insurance

- Promoting traffic safety, preventing losses and injuries, effective claims handling process for customers and predicting impacts caused by climate change
- OP Insurance Ltd cooperating with Compensate Foundation and WWF Finland (2019)

Wealth Management

- ESG unit committed to responsible investment: Exclusion of high-carbon companies, Quarterly sustainability analyses on OP funds, Active proxy voting at AGMs etc.
- Membership in Climate Action 100+ (5yr investor engagement initiative) to impact on listed companies with the highest GHG emissions globally – thematic engagement projects on carbon, water and tax risks
- Signature of CDP's climate change, water and deforestation initiatives
- OP and Finnfund established Finland's first global impact fund in June 2019

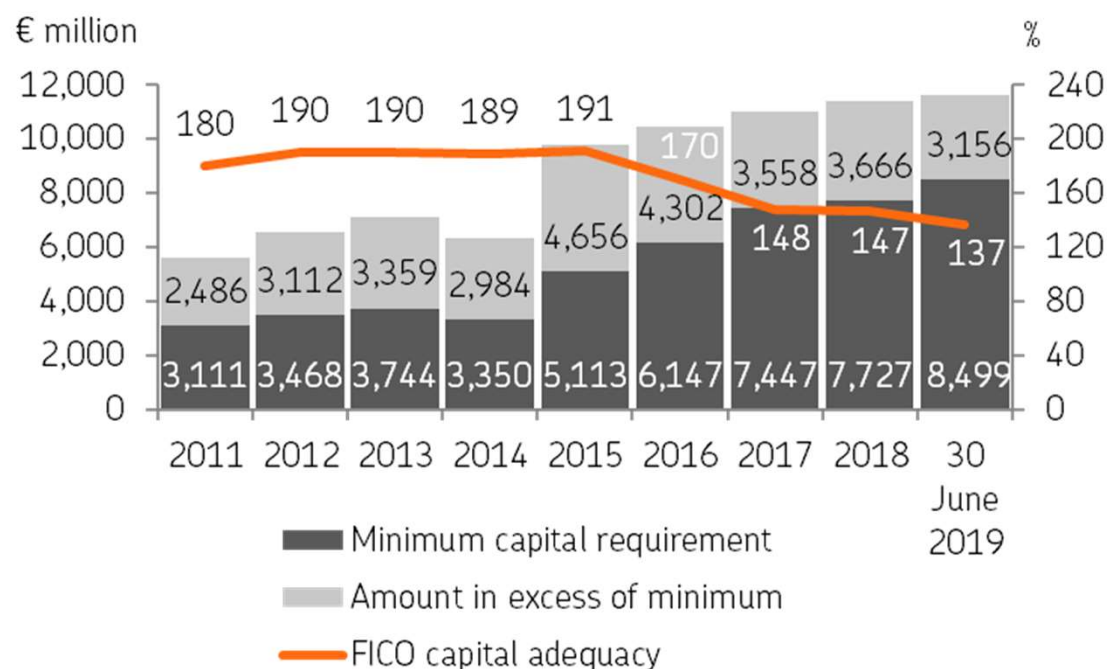
Customer openings

- Putting Finland on a new growth path (#suominousuun) initiatives
- SME financing programmes (€300 mn) guaranteed by EIF and guarantee programme (€300mn) with EIB for large and mid-sized companies to support future economic growth and employment
- Energy-saving improvement services for housing companies in cooperation with LeaseGreen – first case to cut a housing company's heating costs into a half and carbon footprint by approx. 60%
- 800 digital service introduction events for senior citizens in 2018

Society efforts

- Donations of €6.3 mn to Finnish universities in 2017 and €1.3 mn to Finnish universities of applied sciences in 2018
- Subsidies of €1.1 mn for scientific research from OP's scientific foundations in 2019
- Donations of €500,000 to associations in Finland for providing summer jobs to 1,200 youngsters in 2019
- Donation of €50,000 to WWF Finland's climate change work in 2018
- 100 person-years of volunteering in honour of the centenary of Finland's independence (2017) project – totalling to 274 years (in cooperation with partners) and continuing at OP as part of CSR – Hiiop.fi volunteering platform was donated to a Finnish non-profit organisation in 2018

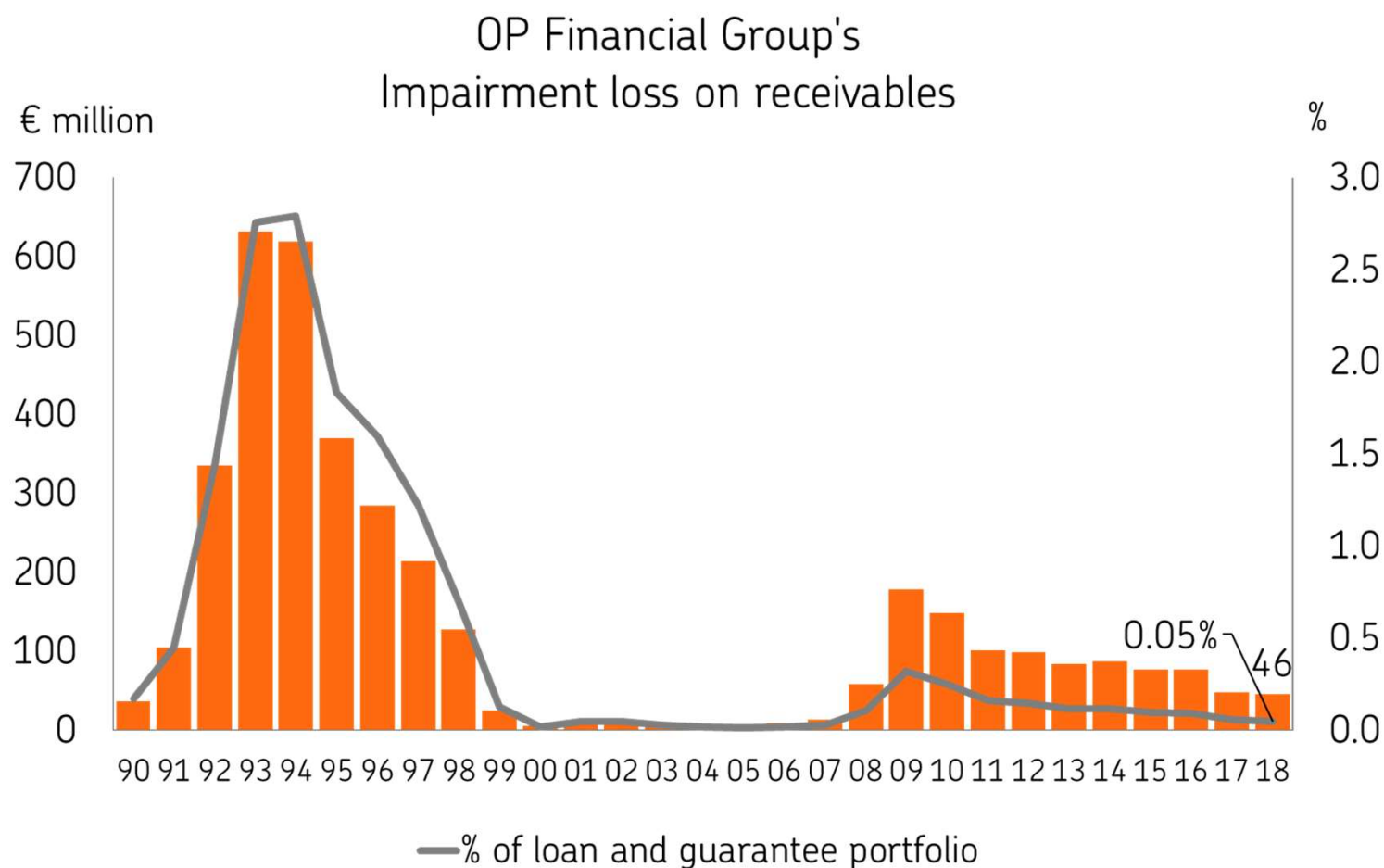
Capital Adequacy under the Act on the Supervision of Financial and Insurance Conglomerates



Statutory minimum requirement 100%

- Banking capital requirement 14.5% calculated on RWA (14.3)
- As a result of the buffer requirements for banking and solvency requirement for insurance companies, the minimum FiCo solvency of 100% reflects the level within which the group can operate without regulatory obligations resulting from buffers below the required level

Impairment loss at a very moderate level



H1/19:
€39 mn ie.
0.04% of loan
and guarantee
portfolio

OP Financial Group's earnings analysis

€ million	H1/19	H1/18	2018	2017	2016	2015
Net interest income	587	569	1 166	1 102	1 058	1 026
Net insurance income	274	278	566	478	558	528
Net commissions and fees	450	444	887	879	859	855
Net investment income	252	208	263	522	390	432
Other operating income	35	21	61	83	123	55
Total income	1 598	1 520	2 943	3 063	2 989	2 895
Personnel costs	404	413	516	758	762	781
Depreciation/amortisation and impairment loss	127	131	325	246	160	162
Other operating expenses	421	412	839	764	646	577
Total expenses	953	956	1 681	1 768	1 567	1 520
Impairment loss on receivables	-39	-7	-46	-48	-77	-78
OP bonuses to owner-customers	-124	-109	-226	-217	-206	-196
Overlay approach*	-67	-22	26			
Earnings before tax	415	425	1 017	1 031	1 138	1 101

* A temporary exemption from IFRS9 (overlay approach) is applied to some equity instruments of insurance companies (reported according to IAS39)

OP Financial Group's key figures and ratios

	30 June 2019	31 Dec. 2018	31 Dec. 2017	31 Dec. 2016	31 Dec. 2015	31 Dec. 2014	31 Dec. 2013	31 Dec. 2012	31 Dec. 2011	31 Dec. 2010
Total assets, € million	144 266	140 387	137 205	133 747	124 455	110 427	100 991	99 769	91 905	83 969
Receivables from customers, € million	89 695	87 081	82 193	78 604	75 192	70 683	68 142	65 161	60 331	56 834
Liabilities to customers, € million	66 734	66 112	65 549	60 077	58 220	51 163	50 157	49 650	41 304	36 443
Equity capital, € million	12 310	11 835	11 084	10 237	9 324	7 213	7 724	7 134	6 242	6 726
CET1 ratio, %	19.5	20.5	20.1	20.1	19.5	15.1	17.1 ^a	14.1 ^b	14.0 ^b	12.6 ^b
Capital adequacy ratio, %	21.2	22.5	22.5	23.1	22.9	17.3	19.8 ^a	14.1	14.0	12.8
Ratio of non-performing receivables* to loan and guarantee portfolio, %	1.1	1.0								
Loan and guarantee portfolio, € billion	92.7	90.0	84.8	81.3	77.8	73.6	71.0	67.7	62.8	59.4
Impairment loss on receivables, € million	39 ^d	46 ^c	48 ^c	77 ^c	78 ^c	88 ^c	84 ^c	99 ^c	101 ^c	149 ^c
Impairment loss on receivables to loan and guarantee portfolio, %	0.04 ^d	0.05 ^c	0.06 ^c	0.09 ^c	0.10 ^c	0.12 ^c	0.12 ^c	0.15 ^c	0.16 ^c	0.25 ^c
Personnel	12 774	12 066	12 269	12 227	12 130	12 356	12 856	13 290	13 229	12 504
Cost/income ratio, %	60	57	58	52	53	56	62	63	63	59
Return on equity (ROE), %	5.6	6.9	8.0	9.4	10.3	8.1	8.9	7.0	6.8	6.9
Return on assets (ROA), %	0.5	0.6	0.6	0.7	0.7	0.6	0.7	0.5	0.5	0.5

a) As of 1 January 2014

b) Core Tier 1 ratio

c) January-December

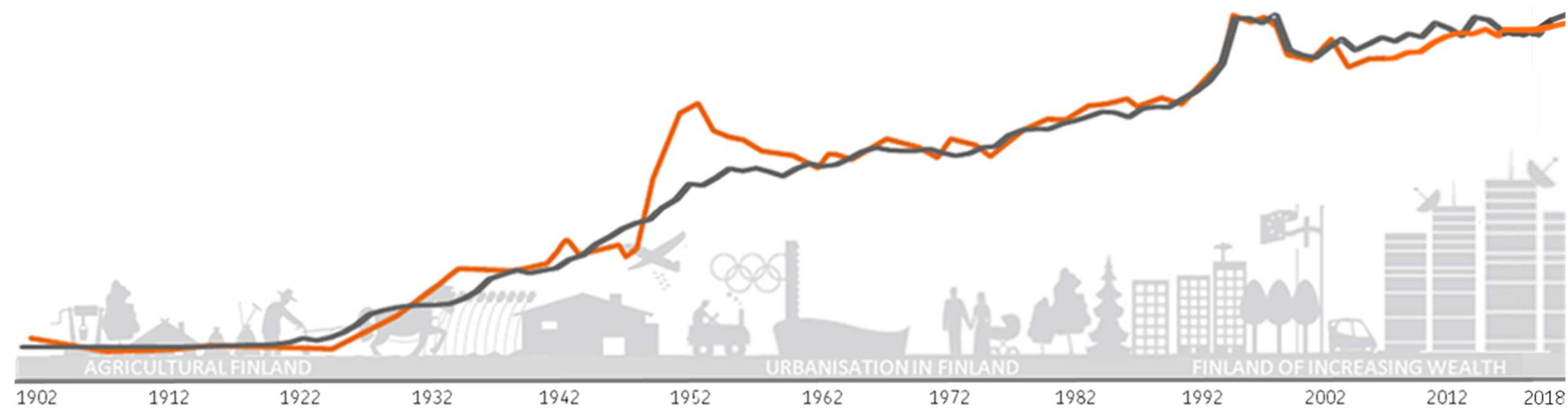
d) January-June

* Non-performing receivables refer to receivables that are more than 90 days past due, other receivables classified as risky and forborne receivables related to such receivables due to the customer's financial difficulties.

OP's market shares in 2018

Deposits 38.4%

Loans 35.5%



Debt IR contacts

Debt IR contacts



Head of Group Treasury and ALM

Lauri Iloniemi

Tel. +358 10 252 3541

lauri.iloniemi(a)op.fi



Senior Funding Manager,
Group Treasury

Tom Alanen

Tel. +358 10 252 4705

tom.alanen(a)op.fi



IR Officer,
Debt IR and Rating Agency Relations

Jaana Mauro

Tel. +358 10 252 8426

jaana.mauro(a)op.fi



IR Officer,
Debt IR and Rating Agency Relations

Eerikki Holst

Tel. +358 10 252 4455

eerikki.holst(a)op.fi

For OP Financial Group's and issuing entities' financial reports and other publications, please visit OP's Debt IR website at www.op.fi/debtinvestors