

OP Debt Investor Presentation H1/2023

OP Financial Group and issuing entities
OP Corporate Bank plc and OP Mortgage Bank
www.op.fi/debtinvestors



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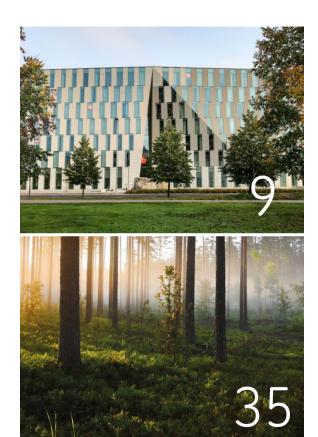
OP Financial Group has applied IFRS 17 Insurance Contracts as of 1 January 2023. The 2022 figures in the income statement and balance sheet have been adjusted retrospectively. The preceding years' figures (2019, 2020 and 2021) have not been adjusted. Note 1 Accounting policies to this Interim Report provides more information on the adoption of IFRS 17 and the changes in the format of the income statement and balance sheet.



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This presentation is targeted for debt investors interested in OP Financial Group. The aim of this presentation is to provide insights into the Finnish economy as well as OP Financial Group's financial performance and corporate responsibility actions.







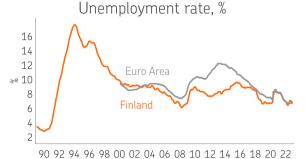
OP Group's forecasts for the Finnish economy

Published on 7 June, 2023

	2021	2022	2023f	2024f
GDP volume, annual growth %				
Finland	3.0	2.1	-0.8	0.3
Euro area	5.3	3.4	0.8	1.0
Unemployment rate, %	0.0		0,0	
Finland	7.7	6.8	7.0	7.2
Euro area	7.7	6.7	6.7	7.0
Current account balance, % of GDP				
Finland	0.5	-4.2	-2.9	-2.4
Euro area	3.5	-0.1	1.0	1.0
General government net lending, % of GDP				
Finland	-2.7	-0.9	-2.9	-2.4
Euro area	-4.7	-3.6	-3.0	-2.5
General government debt, % of GDP				
Finland	72.6	73.0	74.8	77.0
Euro area	97.5	97.9	100.1	101.6
Inflation, %				
Finland	2.2	7.1	5.9	2.3
Euro area	2.6	8.3	6.2	2.5

Sources: Statistics Finland, Eurostat, OP





Source: Macrobond, StatFin, Eurostat, OP



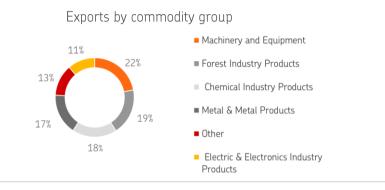
Foreign trade structure rather stable

Finland is an exports-driven economy with around 40% of GDP deriving from exports





Source: Macrobond, OP



Goods exports by country





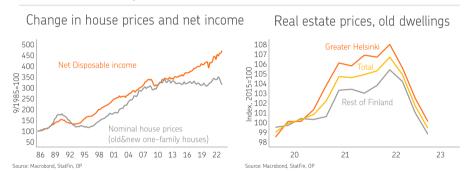
Finnish housing market is stable

Characteristics

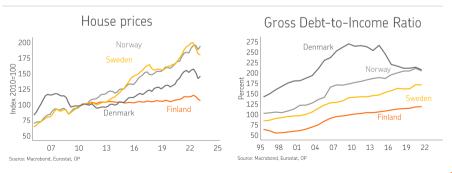
- Fully-amortizing housing market
- Average maturity of a new home loan 22 years
- 95% of home loans tied to variable interest rates
- Home loan cap (LTC) 85% and for first-home-buyers 90%

OP's stress-test 39% ΩP's market share interest rate in 25 years' maturity in mortgages 34% 32% OP's private OP customers customers' currently benefitting mortgages covered from interest rate cap by interest rate cap

Finnish economy



Nordics





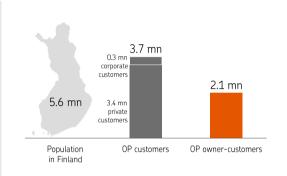


OP Financial Group in brief



18.8% CET1 ratio

€157 bn
Total assets



Leading market shares

Loans	Deposits	Non-life Insurance	Life Insurance
35%	38%	33%	20%

Source: Bank of Finland (Loans and Deposits 12/2022), Finance Finland (Non-life & Life Insurance 12/2022)

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

Strong credit ratings

Moody's Aa3 S&P AA-

OP Corporate Bank plc Moody's Aaa S&P* AAA

> OP Mortgage Bank's covered bonds

* EMTCN programme



OP Financial Group's business structure

2.1 million owner-customers

104 OP cooperative banks

Central Cooperative

Retail Banking

The Retail Banking segment consists of banking for private and SME customers at OP cooperative banks and at the central cooperative consolidated.

- OP Mortgage Bank*
- OP Retail Customers plc

Corporate Banking

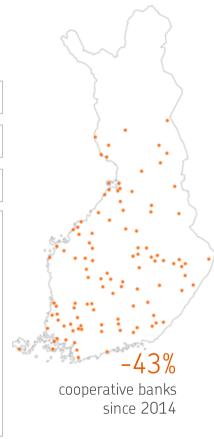
The Corporate Banking segment consists of banking and asset management services for corporate and institutional customers.

- OP Corporate Bank plc*
- OP Fund Management Company Ltd
- OP Asset Management Ltd
- OP Real Estate Asset Management Ltd

Insurance

The Insurance segment comprises
Pohjola Insurance and
OP Life Assurance Company.

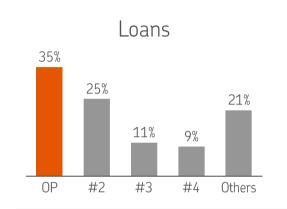
- · Pohjola Insurance Ltd
- OP Life Assurance Company Ltd



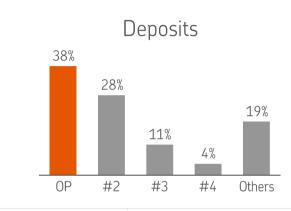
Major subsidiaries

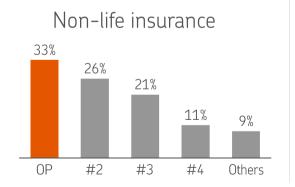
^{*}Issuing entity

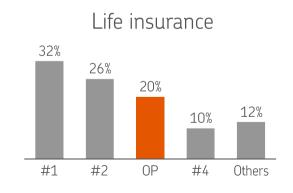
OP is the leading financial group in Finland

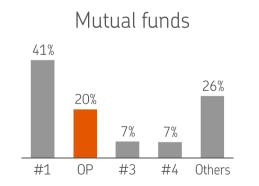














OP's strategic priorities and long-term targets



Strong risk management and compliance culture

We aspire to be the leading and most appealing financial services group in Finland.

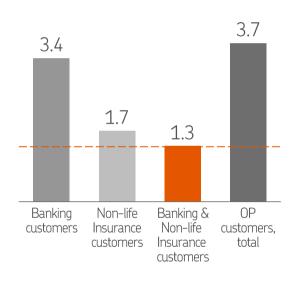
OP Financial Group's strategic long-term targets

	H1/2023	Target 2025
Return on equity (ROE) excluding OP bonuses, %	12.0	8.0
CET1 ratio, %	18.8	At least CET1 ratio requirement + 4 pps
Brand recommendations (NPS)	Banking: 25 Insurance: 17	Banking: 30 Insurance: 20
Credit rating	AA-/Aa3	At least at the level of AA-/Aa3



Attractive loyalty benefits support cross-selling

Number of customers, million



1.3 mn

combined banking and non-life insurance customers

37% of total OP customers

Owner-customer benefits

€134 mn

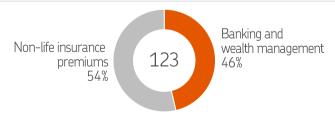
accrued OP bonuses in H1/23

€74 mn

discounts on daily banking, non-life insurance policies and mutual funds in H1/23 €144 mn

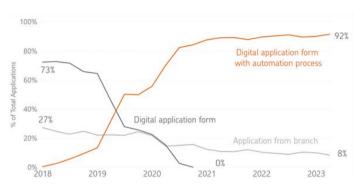
accrued returns on Profit Shares in 2022

OP bonus usage during H1/23, € million





Digital customer experience

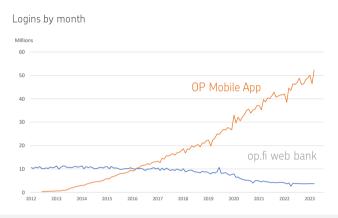


>99%

of OP's private customer service encounters occur in digital channels

>70%

of customers classified as active users who login daily



Key functionality areas:



Transactions and money transfers

Account management, financial balance tools and salary data

Multi-Bank service

Card management, Apple Pay, and Google Pay



Loan and mortgage applications

Information on existing loans and upcoming instalments

Security for loans with interest rate cap and payment protection insurance



Tools for trading shares and mutual funds

Watchlist, notifications for exchange rate alarms

OP Investment Partner



Buy and manage

View existing claims

Report a loss and get help in case of an emergency





Key financial figures of the first half of 2023

Operating profit €986 mn +145% Retail banking €524 mn (+286%) Corporate banking €219 mn (+140%)

Insurance €217 mn (+47%)

Other operations €.-1 mn

Total income

€2,286 mn +44%

Total expenses

€-1.079 mn

Total loans

€98 bn -1%

Total deposits

€73 hn -4%

Assets under management

€100 hn +2%

Insurance service result €8 mn (-86%)

Net interest income

€1.299 mn (+93%)

Net commissions and fees €470 mn (-2%)

Investment income €250 mn (+101%)

Personnel costs €-484 mn (+13%)

Development cost impact €-127 mn (+22%)

Home loans €42 bn (-1%)

Corporate loans €23 bn (+1%)



Issued sustainabilitylinked loans. green loans and credit limits €6.0 bn

In the end of H1 responsible investment funds 59% of all investment funds

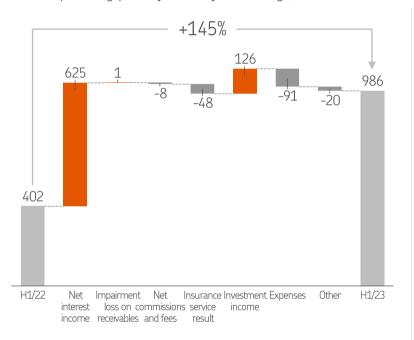
Operating profit for 2023 is expected to be higher than in 2022



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Financial performance

Operating profit year on year change, € million



€ million

	H1/23	H1/22	Change %
Net interest income	1,299	675	93%
Impairment loss on receivables	-99	-100	-1%
Net commissions and fees	470	478	-2%
Insurance service result	8	56	-86%
Insurance premium revenue	967	916	6%
Insurance service expenses	-931	-893	4%
Net income from reinsurance contracts	-28	33	-
Investment income	250	125	101%
Other operating income	21	46	-54%
Personnel costs	-484	-427	13%
Depriciation and impairment loss	-92	-110	-17%
Other operating expenses	-504	-451	12%
Transfers to insurance service result	237	207	14%
OP bonuses to owner-customers	-122	-96	26%
Total income	2,286	1,587	44%
Total expenses	-1,079	-988	9%
Operating profit	986	402	145%

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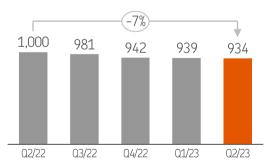


Rolling 12 months of selected P&L items

Operating profit, € million



Net commissions and fees, € million

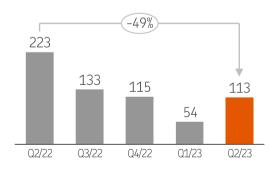


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Net interest income, € million



Impairment loss on receivables, € million



Due to the adoption of IFRS17 standard, rolling figures are comparable only as of Q4/22.





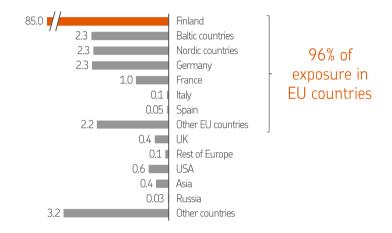
Loan portfolio well diversified

Loan portfolio breakdown, %



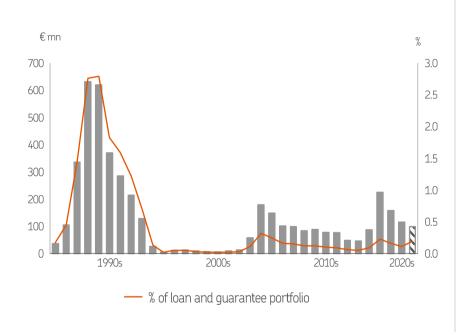
Other loans include loans for holiday homes, consumer loans, student loans, financial institutions, public sector, non-profit organisations and customers abroad

Exposure split by geographic region, %

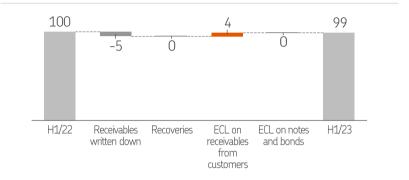




Impairment loss on receivables



Breakdown of total impairment losses, € mn



€mn	H1/23	H1/22
Receivables written down	39	44
Recoveries of receivables written down	-7	-7
ECL on receivables from customers	67	63
ECL on notes and bonds	0	0
Total impairment losses on receivables	99	100
% of loan and guarantee portfolio	0.19%	0.20%

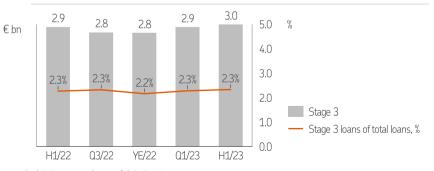


Credit quality and ECL

ECL allowance on receivables from customers by stage

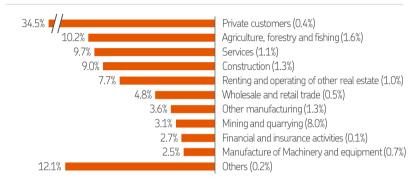


Stage 3 loans

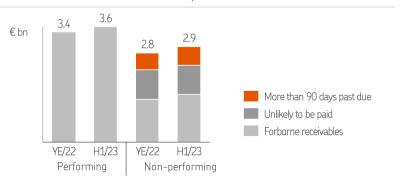


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ECL allowance by sector (% of gross exposure)



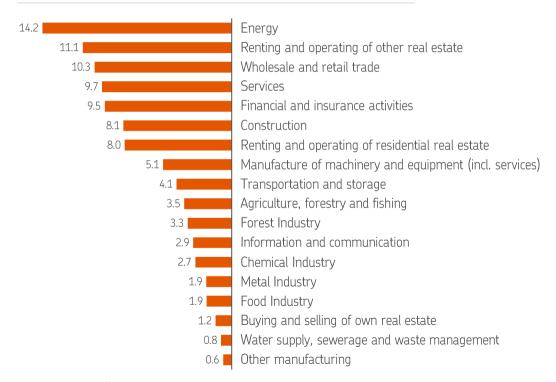
Doubtful receivables 5.6% of exposures





Corporate exposures well diversified

Corporate exposures by sector, %

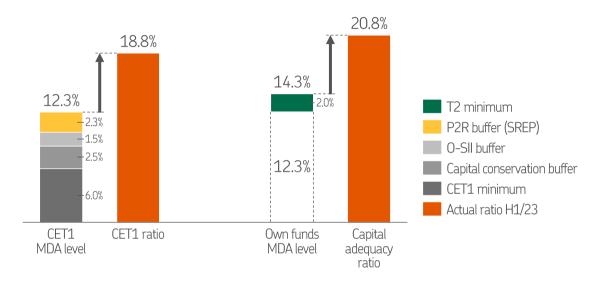


Corporate exposures include the loan and guarantee portfolio, interest receivables and unused standby credit facilities. The applied classification into sectors is not risk-based.





Capital position well above requirement



The statutory minimum for the capital adequacy ratio is 8% and for the CET1 ratio 4.5%; the AT1 and T2 minimum requirement of 1.5% increases the minimum CET1 ratio to 6%.

The requirement for the capital conservation buffer of 2.5% under the Act on Credit Institutions, the O-SII buffer of 1.5% and the ECB's P2R requirement increase the minimum total capital ratio to 14.3% and the minimum CET1 ratio to 12.3%, including the shortfalls of Additional Tier 1 (AT1) and Tier 2 (T2) capital.

CET1 ratio 18.8% with a buffer of

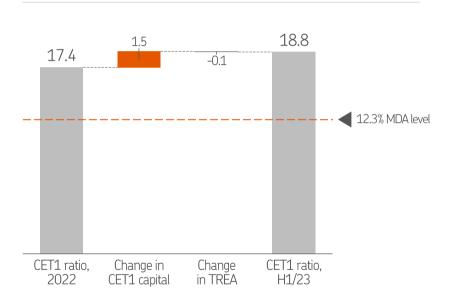
6.5
percentage points
above requirement

9.4%
Leverage ratio and regulatory minimum requirement of 3%



Strong capital position

CET1 ratio development, %



€13.6 bnCET1 capital (€12.6 bn)

€3.3 bn

Profit Shares in CET1 capital (€3.2 bn)

€72.6 bn TREA (€72.3 bn)

16.3%

CET1 strategic target: MDA level + 400 bps management buffer

OP has the strongest S&P RAC ratio of large
Northern European banks*

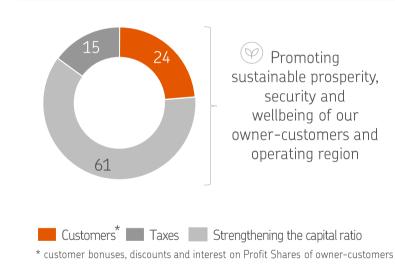


Strength of the cooperative model





Estimated allocation of earnings, %

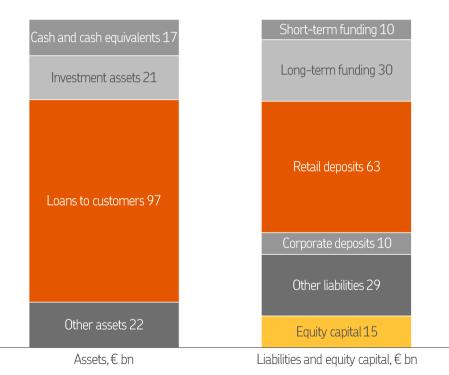


OP increases the OP bonuses for 2023 by 30%. In addition, OP will not charge owner-customers for daily services between October 2023 and March 2024.





Balance sheet totaled at €157 bn



Loans to customers 62%

Customer deposits 47% of balance sheet

Market-based funding 25%

Deposits within the scope of deposit guarantee €44 bn. The Deposit Guarantee Fund compensates a maximum of €100,000 for each OP Financial Group customer.

Asset encumbrance 21% at YE2022.

Other assets include: Assets covering unit-linked contracts, derivative contracts, intangible assets, PPE, tax assets, receivables from credit institutions and other assets.

Other liabilities include: Insurance liabilities, liabilities from unit-linked insurance and investment contracts, derivative contracts, provisions and other liabilities, liabilities to credit institutions and tax liabilities.

Retail deposits include all the deposits of the retail banking segment, and corporate deposits include the deposits of the corporate banking segment.

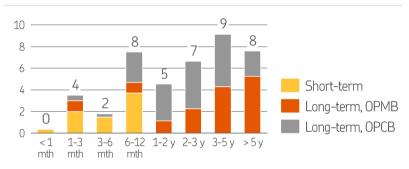
Well-balanced funding position

Long and short-term funding, € bn

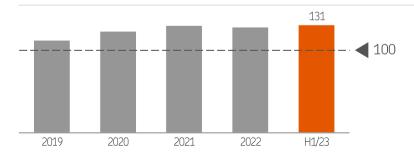


- In April, OP Mortgage Bank issued a Covered Bond of €1 billion
- In June, OP Corporate Bank issued a Senior Preferred of €650 million

Maturity profile, € bn



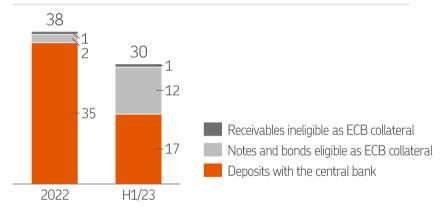
Net Stable Funding Ratio (NSFR), %





Strong liquidity position

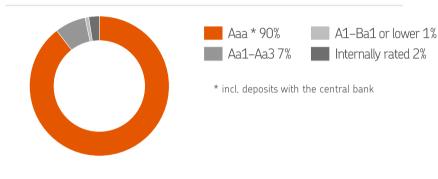
Liquidity buffer breakdown, € bn



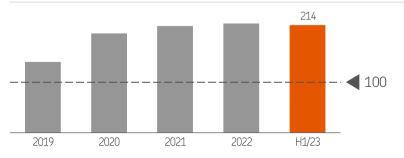
The liquidity buffer is sufficient to cover the need for short-term funding for known and predictable payment flows and in a liquidity stress scenario.

The liquidity buffer included bonds with a carrying amount of EUR 161 million (0) and classified at amortized cost, issued by issuers other than OP Financial Group. The fair value of these bonds amounted to EUR 159 million (0) at the end of the reporting period.

Liquidity buffer by credit rating, %

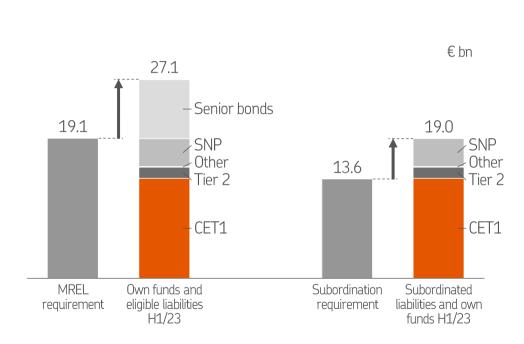


Liquidity Coverage Ratio (LCR), %





MREL and subordination requirements



Own funds and eligible liabi € bn	lities,	
CET1	13.6]
Tier 2	1.5	
Other	0.1	
SNP	3.8	
Senior bonds	8.0	
Total	27.1	

MREL requirement,	€ bn
26.3% of TREA	19.1
7.4% of LRE	10.8
MREL-buffer	8.0

Subordination requirement, € bn			
18.7% of TREA	13.6		
7.4% of LRE	10.8		
Subordination buffer	5.5		

Subordinated liabilities and own funds €19.0 bn

Both MREL and subordination requirements are based on Total Risk Exposure Amount (TREA), including a combined buffer requirement (CBR) of 4.0% (3.5%). The CBR includes the updated O-SII buffer requirement of 1.5%.



Recent benchmark issues

Issuer	Year	Month	Type	Amount	Maturity
OP Corporate Bank	2023	June	Senior Preferred	€650 mn	5 yrs
OP Mortgage Bank	2023	April	Covered Bond	€1 bn	5.5 yrs
OP Mortgage Bank	2023	January	Covered Bond	€1 bn	7 yrs
OP Mortgage Bank	2022	November	Covered Bond	€1.25 bn	3.5 yrs
OP Corporate Bank	2022	October	Senior Preferred	€500 mn	4.5 yrs
OP Corporate Bank	2022	September	Senior Preferred	€1.25 bn	3.25 yrs
OP Corporate Bank	2022	June	Senior Preferred	£350 mn	3.5 yrs

Issuer	Year	Month	Туре	Amount	Maturity
OP Mortgage Bank	2022	April	Green Covered Bond	€1 bn	5.5 yrs
OP Corporate Bank	2022	January	Green Senior Non-Preferred	€500 mn	5.5 yrs
OP Mortgage Bank	2021	March	Green Covered Bond	€750 mn	10 yrs
OP Corporate Bank	2019	February	Green Senior Preferred	€500 mn	5 yrs

Funding based on strong credit ratings

	S&P	Moody's
Outlook	Stable	Stable
Covered bonds	AAA	Aaa
Senior Preferred	AA-	Aa3
Senior Non-Preferred	А	A3
Tier2	A-	Baa1
Short-term issuer rating	A-1+	P-1





OP's sustainability journey

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Earlier steps Sustainable finance actions Sustainability- themed fund OP-Sustainable 2021 2019 2022 Development The first Green Bond Finland's first Finland's second Signing of the UN Principles 2009 Green Covered Bond for Responsible Green Covered Bond New sustainable corporate Investment financing products Carbon footprints OP's inaugural 2015 measured for mutual funds Green SNP Exclusion of carbon 2016 investments Ethical principles of Al 2018 2020 2022 Founding signatory of Green Covered Renewed Green Green Bond UNEP FI Principles for Bond Framework Responsible Banking Bond Framework Framework OP Financial Group's sustainability programme The Partnership for Carbon 2022 Accounting Financials (PCAF)



Climate targets aligned with the Paris Agreement

OP aims for carbon neutrality



Zero emissions from the energy and fuels that OP uses (Scope 1 and 2).

Halving the emission intensity of funds



OP Asset Management will halve the greenhouse gas emission intensity of OP's mutual funds by 2030 compared to the 2019 level.

By the end of 2030, direct and active investments exclude business related to coal mining or coal power generation.

Carbon neutral funds & corporate loan portfolios



OP Financial Group is committed to achieving carbon neutral corporate loan portfolios by 2050.

OP Asset Management & OP Fund Management Company have made the same commitment regarding the funds they manage together.

OP Asset Management & OP Real Estate Asset Management have signed the Net Zero Asset Managers Commitment.



OP Corporate Bank's ESG actions

Reaching carbon neutrality

Actions to guide companies towards low-carbon operations are being expanded and to reach the bank's long-term climate target of reaching carbon neutral loan portfolios by 2050, and to reduce emissions by 25% by 2030 compared to 2022 in line with OP Financial Group's new sustainability programme.

Supporting customers through the change

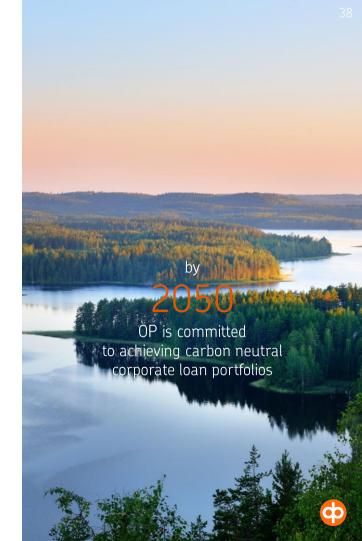
OP Corporate Bank's sustainable loan portfolio including both green and sustainability-linked loans exceeded EUR 6 billion in the H1/2023.

Improving visibility to climate impacts

OP Corporate Bank is actively improving its understanding of its loan portfolio's climate risks. In June 2022, OP Financial Group joined the Partnership for Carbon Accounting Financials (PCAF) which gives improved guidance on implementing the GHG Protocol in the financial sector.

ESG integration into lending processes

The bank assesses corporate customers' exposure to ESG factors as well as their readiness to mitigate risks arising from ESG factors in all significant loan decisions. OP Corporate Bank will not provide finance for new coal power plants or coal mines, including companies that plan to build them.

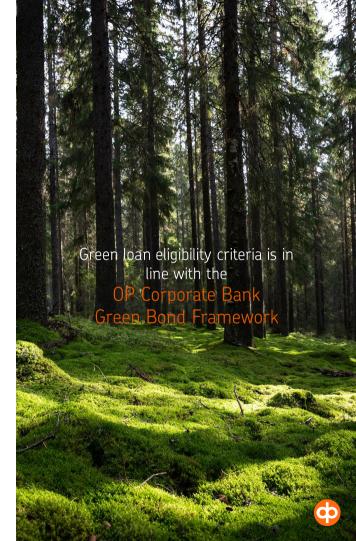


Green Loan for SMEs and Housing Companies

OP Financial Group's Green Loan is designed for companies and housing companies for projects that are reducing their environmental impacts. It can be granted for investments in

- construction and renovation projects which improve energy efficiency
- energy efficient new construction
- certified buildings
- the use of renewable energy sources
- the sustainable use of natural resources.
- building infrastructure for low emission transport

More information on Sustainable Finance solutions available at op.fi



OP is highly committed to Corporate Responsibility



UNEP FI, Principles for Responsible Banking & Collective Commitment to Climate Action

Following the Paris Agreement, portfolios and lending procedures reflect low-carbon, climate-resilient economy



UN Global Compact initiative

10 principles on human rights, labour standards, environment and anti-corruption



Principles for Responsible Investment (PRI)

Commitment by OP Asset Management Ltd, OP Fund Management Company Ltd and OP Real Estate Asset Management Ltd



Principles for Sustainable Insurance (PSI)

Commitment by Pohjola Insurance



OECD Guidelines for Multinational Enterprises

Incl. voluntary CR principles and standards



CDP

Measuring the carbon footprint of funds and complying with CDP's climate change, water and deforestation initiatives

ESG participation & cooperation

- Finland's Sustainable Investment Forum (FINSIF)
- Global Compact Nordic Network
- International Capital Markets Association's (ICMA)
 Green and Social Bond Principles
- Partnership agreement with Climate Bonds Initiative (CBI)
- CR network of the Finnish Business & Society association (FIBS)
- OP Asset Management Ltd: official supporter of The Task Force on Climate-related Financial Disclosures (TCFD)
- Equator Principles
- WWF's Green Office
- Partnership for Carbon Accounting Financials (PCAF)









OP Financial Group's sustainability programme

We will build a sustainable tomorrow together



Climate and the environment

We will offer sustainable financing and investment products to our customers

We will decrease emissions across our loan and investment portfolios

We will promote the circular economy in our business and that of our customers

We will become carbon neutral by 2025

We will promote biodiversity and the wellbeing of nature



People and communities

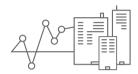
We will foster a diverse, inclusive and non-discriminatory culture

We will promote the wellbeing of our local communities

We will support the management of personal finances and improve financial literacy

We will help customers with special needs to manage their finances

We will identify the impact of our operations on human rights



Corporate governance

We will integrate sustainability with all our business operations and risk-taking

We will use data and artificial intelligence responsibly

We will require our partners to commit to our Supplier Code of Conduct

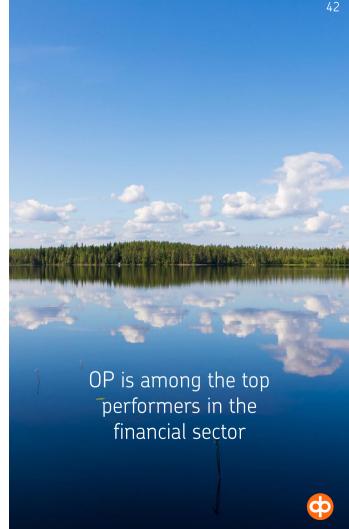
We will increase diversity in our governing bodies

We will further improve the sustainability competencies of our personnel



ESG Ratings

Rating agency	Rating	Rating scale
MSCI	AA	CCC to AAA
SUSTAINALYTICS	15.5 (low risk)	100 to 0 (severe to negligible risk)
ISS ESG ⊳	С	D- to A+
CDP DISCOURLE INHUIT ACTOR	В	D- to A
vigeoeiris	58	0 to 100





Green bonds support OP's mission and values

Our mission is to promote the sustainable prosperity, security and wellbeing of our owner-customers and operating region.

OP's values







Responsibility



Succeeding Together

Promoting the green transition

- Strengthening OP's responsible role in the Finnish society
- Promoting one of the three key themes and commitments of OP's Sustainability Programme Climate and Environment
- Providing customers and investors with services and products that enable sustainable choices
- Conducting business in a responsible manner: understanding customers' ESG risks better, while integrating sustainable policies into lending
- Enabling the continuity and growth of Finnish companies' sustainable business



OPCB's Renewed Green Bond Framework 2022

Use of proceeds

- 1. Renewable Energy
- 2. Transmission of Energy
- 3. Energy Efficiency
- 4. Green Buildings
- 5. Pollution Prevention and Control
- 6. Environmentally Sustainable Management of Living Natural Resources and Land Use
- 7. Clean Transportation

Project evaluation and selection

Conventional credit process and green bond process in accordance with the eligibility criteria. Proceeds may be used for financing of general corporate purposes to dedicated businesses ("pure players") meeting specific eligibility criteria

Management of proceeds

Green Bond Register is monitored on a monthly basis. Internal reporting to Green Bond Committee quarterly.

Reporting

Annual Green Bond Report published on OP's website

External review and verification

Sustainalytics' Second Party Opinion and Limited Assurance Report by an external auditor







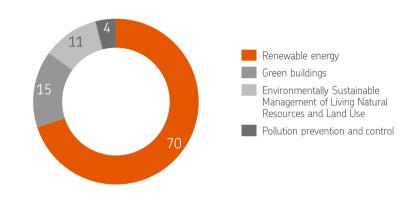


OP Corporate Bank's Green Bond Report

Assets included in the Green Bond register, YE2022

Eligible sector	Estimated Green Bond Impact	Allocation per Green Bond Green Bond 1 / Green Bond 2	SDGs
Renewable energy (from mixed energy sources as outlined in the Green Bond Framework)	514,342.3 tCO ₂ e avoided	52% / 48%	7 ASSESSMENT 13 CHART
	1,698.6 GWh of energy generated	53% / 47%	
	541.9 MW of energy capacity installed	51% / 49%	
Green Buildings	39,696.4 m² of green certified building area and 18,825.8 m² currently under construction	50% / 50%	11 BECOMMERCIES A DE
	2,936.7 tCO ₂ e avoided due to reduced energy consumption from electricity and district heating	50% / 50%	
Pollution Prevention and Control	16,643.3 tCO ₂ e avoided	0% / 100%	3 GOOD HEALTH 6 CLEAN ANCIES
	118.6 GWh generated	0% / 100%	11 SISTANGE CITES 12 ESPECIES AND CHIMONOPHIS
	11.5 MW installed capacity	0% / 100%	AND PRODUCTION
Environmentally Sustainable Management of Living Natural Resources and Land Use	61,550.2 hectares of certified forests	50% / 50%	15 LEE
	65,853.9 tCO ₂ e in carbon sinks	50% / 50%	

OP Green Bond Impacts, YE2022 *



Eligible assets included in the Green Bond register (YE2022) totaled at €1,630 million including reserve of unallocated green assets €630 million.

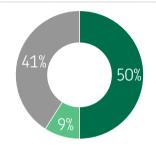


OP's green issuances

OP Corporate Bank plc

Green SNP 2022, €500 mn

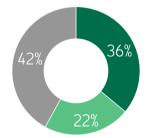
- Over-subscribed by more than 3 times
- > 130 investor accounts involved.



OP Mortgage Bank

Green Covered Bond 2022, €1 bn

- Over-subscribed by more than twice
- > 50 investor accounts involved

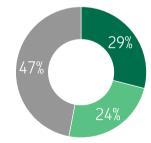


Green Bond 2019, €500 mn

- Over-subscribed by 4 times
- ~ 100 investor accounts involved

Green Covered Bond 2021, €750 mn

- Over-subscribed by more than twice
- > 50 investor accounts involved



Dark green Light green Conventional



OPMB's Green Covered Bond Framework 2020

Use of proceeds	 Green buildings Criteria: EU Taxonomy's construction and real estate activities criteria and CBI residential buildings criteria
Project evaluation and selection	To identify eligible mortgages, data from various sources is utilized (e.g. ARA). The energy performance certificates (EPCs) are used to assess eligibility If EPCs are not available, the secondary approach is energy efficiency statistical modelling.
Management of proceeds	Cover pool is reviewed as a part of the pooling process on a regular basis Quarterly internal reporting to Green Bond Committee
Reporting	Annual Green Covered Bond Report published on OP's website
External review and report verification	Sustainalytics' Second Party Opinion Limited assurance report by an external auditor









OP Mortgage Bank's Green Covered Bond Report

Assets included in the Green Covered Bonds, YE2022





Average time from origination	3.9 years
Average time	18.9 years

Eligible assets in the cover pool worth €2,968.6 million of which €1,750 million allocated to the Green Covered Bonds

OPMB Green Covered Bond impacts, YE2022



Green Buildings (in the cover pool)

- 25,467 mortgages
- 2.0 million m² of green buildings tagged as green
- 104,000 MWh avoided energy use
- 16,000 tCO₂e avoided emissions



Green Buildings (allocated to €1,750 million bonds)

- 62,000 MWh avoided energy use
- 9,300 tCO₂e avoided emissions

More information at: OP Mortgage Bank's Green Covered Bond Report





OP Mortgage Bank (OPMB)

- 100% owned subsidiary of OP Cooperative
- Covered bond issuing entity of OP Financial Group
- Special-purpose bank and a funding vehicle for the OP member cooperative banks
- New issues under the Euro Medium Term Covered Bond (Premium) Programme (EMTCB) of €25 bn rated by Moody's

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 Pools are ring-fenced, the covered bondholders have the right to receive what is due to them before all other creditors.

Covered bond ratings

Moody's

S&P

Aaa

ДДД

Harmonised transparency template







https://www.op.fi/op-financial-group/debt-investors/issuers/op-mortgage-bank/cover-asset-poohttps://www.coveredbondlabel.com/issuer/5-op-mortgage-bank



Operating model and roles

Mortgage Borrower



OP Member Cooperative Banks

Loan origination Servicing Collateral is transferred to OPMB cover pool via intermediary loan process

OP Cooperative

Accounting
Debt collection
Legal affairs & Compliance
Risk management
Product and service development
Support functions
IT service production



OP Mortgage Bank

Bond issuance Investor reporting Loan selection* Pool management and analysis



OP Corporate Bank plc

Swap counterparty (interest rate risk management)
Short-term funding provider
Legal issues/capital markets



under the

EMTCB

programme

Debt Investors





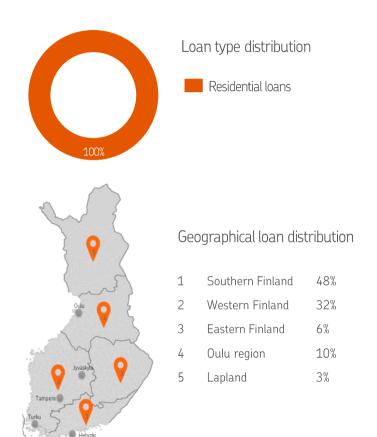
Covered Bonds under Finnish legislation

	Act on Mortgage Credit Banks and Covered Bonds (151/2022)	Act on Mortgage Credit Bank Operations (688/2010)
Applicability	Bonds issued after 8 July 2022	Bonds issued before 8 July 2022
Programmes under the Act	Euro Medium Term Covered Bond Premium (EMTCB)	Euro Medium Term Covered Note (EMTCN), Euro Medium Term Retained Covered Note (EMTRCN)
Bond qualification	European Covered Bond (Premium)	EEA Grandfathered – CRR compliant
Regulation	Regulated by the Finnish Financial Supervisory Authority (FIN-FSA) and ECB	Regulated by the Finnish Financial Supervisory Authority (FIN-FSA) and ECB
Intermediary loans	Enables granting intermediary loans	Enabled granting intermediary loans
LTV restrictions on eligible assets	80% LTV on residential mortgages	70% LTV on residential mortgages
Legal over-collateralisation requirement	2%. In case the requirements set by CRR Article 129 are not met, the OC must be 5%.	2%
Programme documentation including information valuation, market risks, expiry and over-collateralisation	EMTCB Programme documentation	EMTCN Programme documentation EMTRCN Programme documentation
Cover asset pool information including bond IDs, ECBC Harmonized Transparency Templates and legal information disclosure	OPMB's cover asset pools and legal information disclosur	re



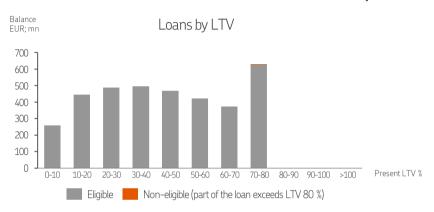
EMTCB programme Bonds issued after 8 July 2022

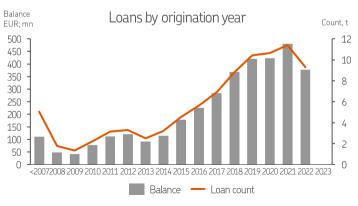
€3.58 bn Current balance	€3.25 bn Total amount of covered bonds	€38,500 Average loan size
>99% Tied to floating interest rate	43% Weighted Average indexed LTV	10% Over- collateralisation (OC)

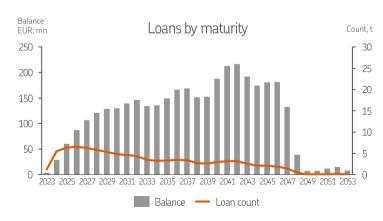




OPMB EMTCB cover asset pool



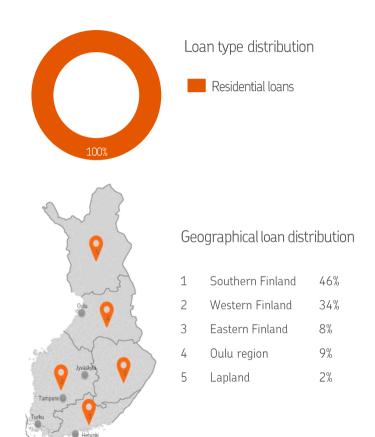






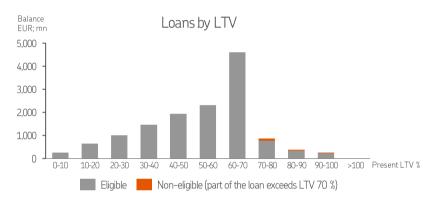
EMTCN programme Bonds issued before 8 July 2022

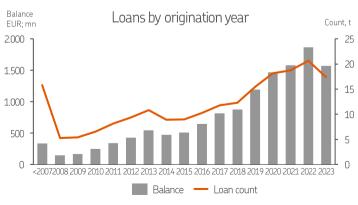
€13.6 bn Current balance	€11.6 bn Total amount of covered bonds, out of which €1.75 bn is green	€65,500 Average loan size
>99% Tied to floating interest rate	53% Weighted Average indexed LTV	16% Over- collateralisation (OC)

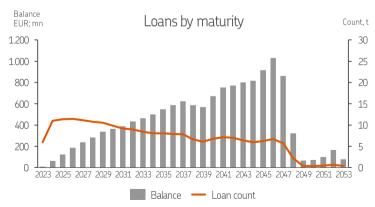




OPMB EMTCN cover asset pool









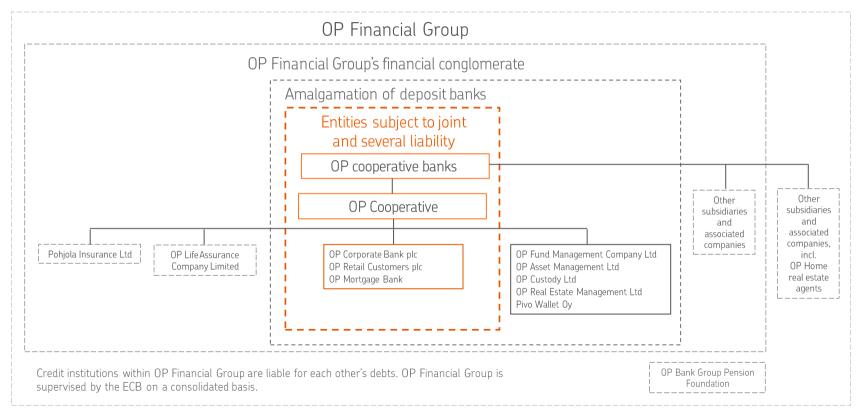
Intermediary loan process

- Finnish legislation enables OP Mortgage Bank to grant intermediary loans to the member cooperative banks, who indirectly participate in the covered bond issuance process.
- In the intermediary loan process, an intermediary loan contract is made between the member cooperative bank and OPMB. The member cooperative banks allow OPMB to mark mortgages as intermediary loan collateral to the OPMB cover pool in return for funds from the emission.
- The loans eligible as collateral for a covered bond must meet the legal requirements as well as the criteria of OPMB's covered bond program and other specified criteria. The member cooperative bank commits to preserving adequate intermediary loan eligible loan portfolio for the maturity of the intermediary loans. OPMB monitors the adequacy of the collateral daily.
- Once the mortgage loans are registered in the OPMB cover pool via intermediary loan process, they serve as collateral for the covered bonds for the benefit of the noteholders until the intermediary loan expires.





OP Financial Group's amalgamation structure





Joint liability

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, OP Mortgage Bank, OP Retail Customers plc 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 capital 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.





Contacts and financial calendar

Investor Relations & Funding



Head of Investor Relations CEO of OP Mortgage Bank Sanna Eriksson



Head of Long-term Funding Treasury Tom Alanen



Senior IR Officer Rating Agency Relations Eerikki Holst



IR ESG Officer Investor Relations Sanna Auvinen



IR ESG Specialist Investor Relations Venla Koljonen



Financial calendar 2023

Interim Report for Q3/2023

25 October 2023

For more information

www.op.fi/debtinvestors

ESG for Debt Investors

CFO Results Overview

OP Financial Group's reports

