ING Bank Hipoteczny S.A.

ING BSK Group

Warsaw, November 2021



Key points

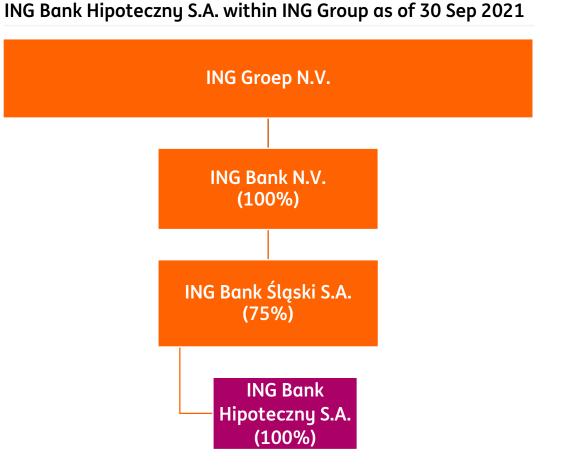
- ING Bank Hipoteczny (Bank) has been established to provide ING Bank Śląski (ING BSK) with diversified long-term funding through covered bonds issuances
- The business model of the Bank is based on pooling of high quality PLN denominated retail mortgages loans from ING BSK (no new origination)
- PLN 4.2bln of residential mortgages already transferred, out of which PLN 3.14 bln has been registered in the cover pool (as per 30 Sep 2021)
- Bank's inaugural covered bond issuance in 2019 carried out in a green format to support ING sustainable objectives
- Stable profit generation net profit after tax of PLN 6.5mln in H1 2021
- Sound capital and liquidity position, well above regulatory requirements

Business profile and strategy

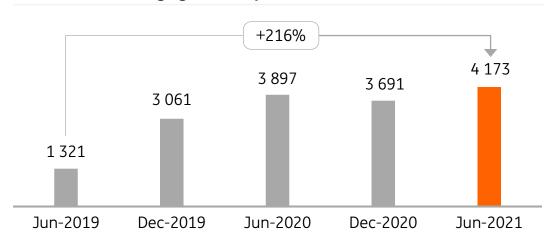
The Business Model

Strategic fit within ING BSK Group

- On 2 January 2019, the Bank received regulatory approval to operate as a stand-alone mortgage bank
- The Bank is fully owned by ING BSK
- Newly set up mortgage bank will enable the ING BSK Group to benefit from:
 - Reduced maturity mismatch between its assets and liabilities
 - More diversified funding sources
 - Lower cost of wholesale funding
- The Bank to be a strategic part of ING BSK Group and an important part of its business
- Inaugural PLN 400mln green Covered bond issuance carriedout in October 2019. First green covered bond issued in ING Group NV

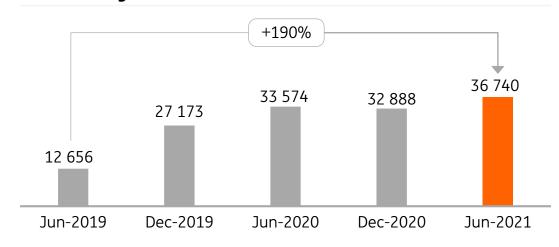


Key developments in H1 2021



Residential mortgages loan portfolio (in mln)

Customers growth



Loan portfolio	Net income on basic activity	Customers	Employees	
H1 2021	H1 2021	#	#	
E	()	ධ		
PLN +4 173 mln	PLN +25.1 mln	36 740	36	

ING Bank Hipoteczny's balance sheet



Balance sheet of ING Bank Hipoteczny S.A. as of H1 2021 (in PLN mln)

Key Points

- Total balance of PLN 4.29bln
- Assets are primarily PLN residential mortgage loans (PLN 4.17bln, over 97% of total assets)
- Sufficient HQLA portfolio to meet regulatory requirements
- Funding currently consists of drawings under revolving credit facility provided by ING BSK, covered bonds and short-term unsecured bonds
- Consecutive covered bonds issuances will supplement current ING BSK funding lines
- Funding diversification increased through unsecured bond issuance

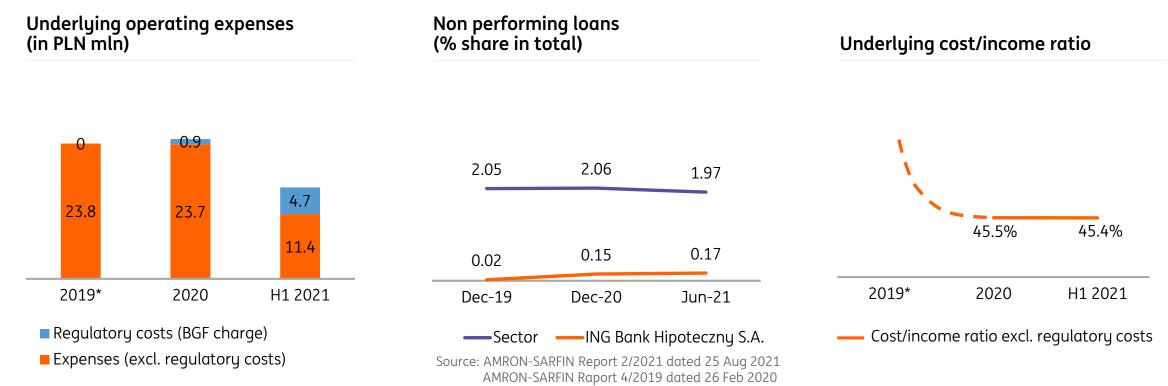
H1 2021 results

Profit and Capital

Net income on basic activity Net result Total capital ratio (in PLN mln) (in PLN mln) (in %) 30.6% 52.1 26.8% 19,8 17.0% 24.8 25.1 6,5 -0,2 2019* 2020 H1 2021 2019* 2020 H1 2021 Dec-19 Dec-20 Jun-21

- Profitability achieved already in the second your of the Bank's business activity due to dynamic growth of mortgage loan portfolio
- H1 2021 results impacted by the contribution to the Bank Guarantee Fund compulsory resolution fund (regulatory cost)
- Sound capital position supporting further assets' growth

Underlying expenses well-controlled despite an increase in regulatory costs, risk costs remained low



- Underlying operating expenses have remained broadly in 2019 and 2020; slight increase in H1 2021 due to regulatory charge (BGF compulsory fund)
- High quality of the Bank's portfolio confirmed by low NPLs numbers deeply below market average
- Underlying C/I ratio stabilized at mid-40% levels

ING Bank Hipoteczny S.A. financials

		31 Dec 2020	30 Jun 2021
Capital	CET1 ratio (%)	30.60%	26.82%
Capital	 Leverage ratio (%) 	11.76%	10.83%
Profitability	 Underlying C/I ratio* (%) 	45.5%	45.4%
Profitability	 Return on Equity (Underlying) (%) 	4.29%	3.53%
Liquiditu	 Net Stable Funding Ratio (%) 	109%	145%
Liquidity	 Liquidity Coverage Ratio (%) 	8 555%	11 160%

Funding profile

Strong rating profile across the ING Group

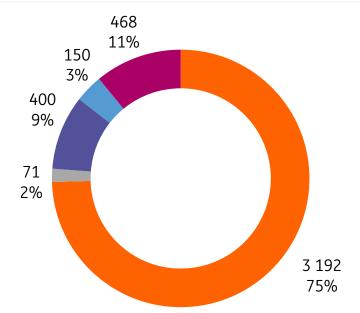
Main credit ratings of ING on 16th November 2021				
	S&P	Moody's	Fitch	
ING Bank Hipoteczny S.A.				
Bank senior LT rating		A3		
Outlook		Stable		
Bank senior ST rating		P-2		
ING Bank Hipoteczny S.A. Covered Bond	l Programme			
Covered Bond Rating		Aa1		
ING Bank NV (OpCo)				
Bank senior LT rating	A+	Aa3	AA-	
Outlook	Stable	Stable	Negative	
Bank senior ST rating	A-1	P-1	F1	
ING Groep NV (HoldCo)				
Group senior LT rating	A-	Baa1	A+	

Latest rating actions by Moody's

- Dec-2020: Bank's Covered Bond Program was upgraded from Aa3 to Aa1
- Jul-2021: Bank's long-term ratings were upgraded by one notch:
 - LT issuer rating to A3
 - LT counterparty risk rating to A1
 - LT counterparty risk assessment to A1 (cr)

ING Bank Hipoteczny's funding profile

Funding profile as per H1 2021 (in PLN mln)



Credit line from ING BSK

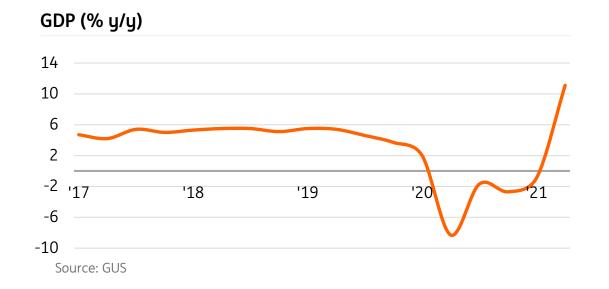
- Deferred payment for purchased loans due to ING BSK
- Covered bond
- Short-term bonds
- Equity

Key Points

- Mortgage loans purchase based on Framework Agreement
 between the Bank and ING BSK
- Framework Agreement introduces the mechanism of deferred payment
- After deferred period, purchased loans are funded through credit revolving facility provided by ING BSK or short-term senior bonds issued the Bank
- Current outstanding of issued covered bond amounts to PLN 0.4 bln
- Funding from ING BSK and/or short-term bonds to be supplemented/replaced with consecutive covered bonds issuances

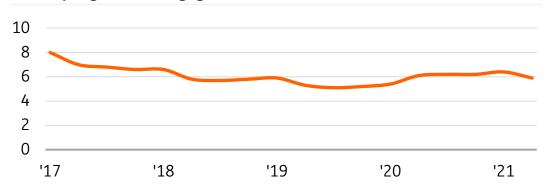
Economic, housing & mortgage markets update

Polish Economy

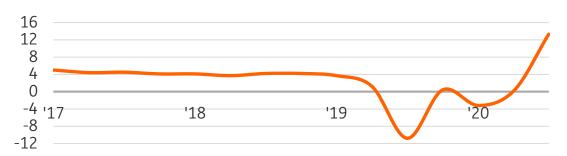


Inflation (% y/y) 6 4 2 0 17 18 19 20 21 Source: GUS

Unemployment (% y/y)



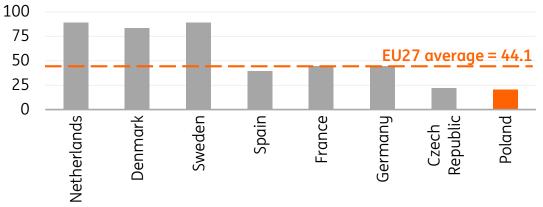
Private consumption (% y/y)



Source: GUS

Source: GUS

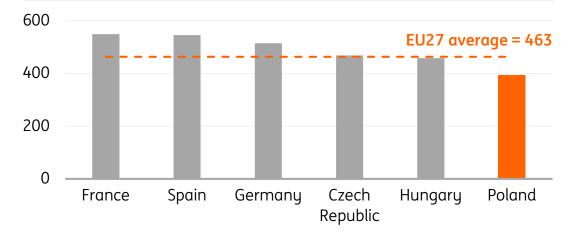
Household market in Poland vs EU



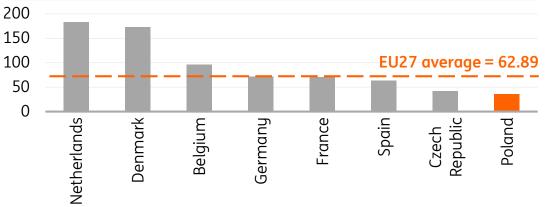
Total Outstanding Residential Loans to GDP Ratio - 2019 (%)

Source:European Mortgage Federation – Hypostat 2020

Number of dwellings per 1,000 citizens

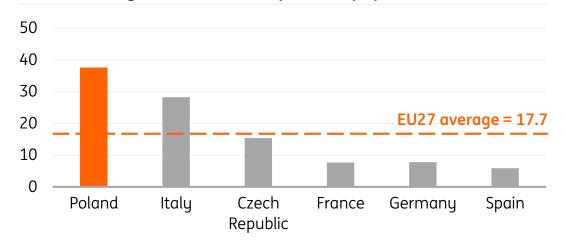


Total Outstanding Residential Loans to Disposable Income of Households Ratio - 2019 (%)



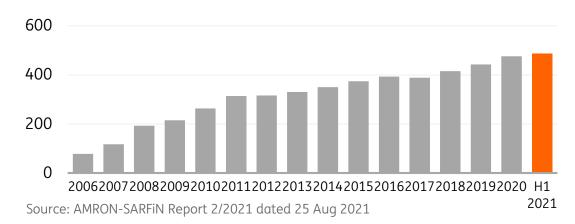
Source:European Mortgage Federation – Hypostat 2020

Overcrowding rate - 2019 (% specified population)

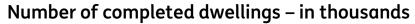


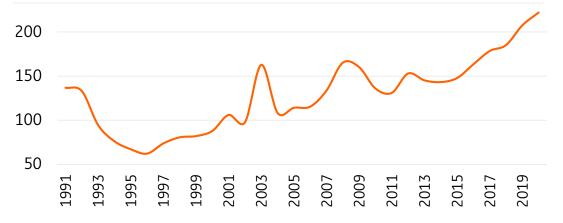
Source:Deloitte Property Index 2021

Polish residential and covered bonds market

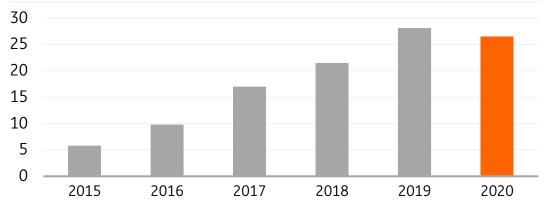


Total outstanding residential mortgage loans growth - in PLN mln





Total outstanding covered bonds issued by Polish mortgage banks – in PLN mln



Source: European Mortgage Federation – Hypostat 2020

Interest and currency breakdown of outstanding covered bonds* as per 31 Dec'20 – in PLN mln



* issued by the Polish mortgage banks Source: European Mortgage Federation – Hypostat 2020

Key features of Polish residential mortgage market as at Q2'21

PLN 0.33 mln

PLN 22.137 bln

PLN 486.092 bln

67 031

2.27%

2.50%

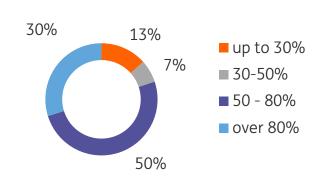
Recent Origination Statistics

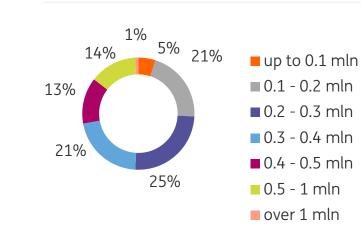
- Average volume of new loan originated in Q2'21:
- New sales in Q2'21:
- Total outstanding mortgage portfolio volume:
- *#* of loans granted in Q2'21:
- Avg margin for loans* granted in Q2'21:
- NPL ratio** mortgage portfolio in Q2'21:

* for PLN 0.3mln and 75% LtV

** total MTG portfolio

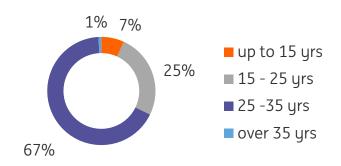
LTV distribution of new sales in Q2'21



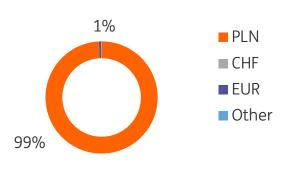


New sales by volume in Q2'21

New sales by contractual maturity in Q2'21



New sales by currency in Q2'21



Covered Bond Programme

Prudent loans' selection criteria

Regulatory	 Mortgage established as first-ranking in the Mortgage & Land Register in favor of ING BSK Separate ownership title to the property Property located in Poland LtMLV (based on Mortgage Lending Value) ≤ 100%
Risk	 Performing loans only with low risk: days past due = 0 defaults rejected Standard Risk Costs cut off IFRS9 Stage 1 level No warning entries in Mortgage and Land Register PD & LGD cap on a total portfolio acquired in a given year
Business	 Residential mortgages granted to consumers Residential purpose of the loan only (no home equity or consolidation) Flats or houses only Properties meeting green criteria No mortgages established during the construction process Minimum margin requirement Outstanding loan balance & remaining repayment term within a specific range

ING Bank Hipoteczny Covered Bond Programme

ING Bank Hipoteczny EUR 5bln Covered Bond Program

- CRD/CRR compliant with Aa1 rating assigned by Moody's
- Properties' mortgage lending values are on average 15% below the respective properties' market values
- Programme is used for external issuance purposes
- Cover pool consists of 100% prime Polish residential mortgage loans in PLN only.
- Polish Covered Bond legislation with minimum legally required overcollateralisation (OC) 10%

Cover Pool loan portfolio characteristics PLN (as per 30 September 2021)

 Net principal balance 	3 130 413 864.76
 Outstanding bonds 	400 000 000.00
# of loans	17 173
 Avg. principal balance (per borrower) 	182 287
 WA remaining maturity (in months) 	237
 WA seasoning (in months) 	61
 WA current LtMLV (based on Mortgage Lending Value) 	60.0%
 WA current LtV (based on Market Value) 	51.2%

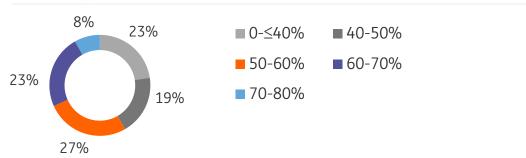
Interest Rate Type



Geographic Distribution



Balance per LtV band (based on Market Value)



ING Bank Hipoteczny Covered Bond Programme

Key Programme features

 Investors 	Financial Institutions
 Size 	up to EUR 5bln
 Currency 	no restrictions
Coupon	fixed/float
 Tenor 	up to 20 yrs
 Governing law 	Polish
 Arrangers 	ING Bank N.V. & ING BSK
 Clearing 	Euroclear / Clearstream
 Rating 	Aal
 Listing 	LuxSE & WSE
Fiscal & Paying Agent	Deutsche Bank AG
 Listing Agent 	Deutsche Bank Luxembourg

Comments

- Base prospectus approved by CSSF on 2 December 2021
- Issuances under the Programme are aimed only at professional and Reg S compliant investors
- Maximum amount of outstanding covered bond issued is up to EUR 5 bln
- Issuances to be denominated mainly in PLN and EUR (although Programme does not impose any restrictions on bond issue currency) with maximum tenor of 20 years
- ING Bank N.V. & ING BSK will act as arrangers and dealers to the Programme
- Covered bonds to be listed on the Luxembourg Stock Exchange and the Warsaw Stock Exchange
- Issuances to be cleared through Euroclear / Clearstream

Summary of inaugural ING Bank Hipoteczny PLN green covered bond issuance in 2019

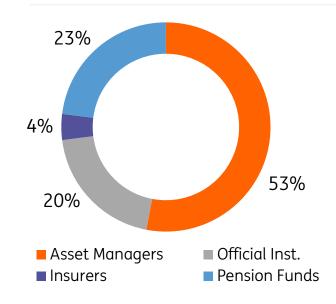
Key parameters

PLN Currency 400,000,000 Size Series # 1 10 Oct 2019 Issue date Maturity date 10 Oct 2024 6M WIBOR + 0.53% Coupon Aa3 (Moody's) Rating Listing LuxSE / WSE ISIN code XS2063297423 Joint Lead ING N.V. / ING BSK Managers

Summary

- Inaugural green covered bond issuance was secured with eligible green residential mortgages (defined in the Bank's Green Bond Framework set up in line with ING NV standards)
- Green covered bonds were certified by Climate Bond Initiative
- Book was opened at 2 Oct'19 with price guidance set at 0.55% above 6M WIBOR and with indicated issue size ~PLN 300 mln
- Strong investor's interest (local FIs bidding for almost PLN 600 ln) allowed for price tightening to 0.53% and issue size increase up to PLN 400 mln (by 33%)

Investors distribution





Polish Covered Bond Framework

Polish legal framework



Robust legal framework

- Local legislation: only specialised banks are entitled to issue covered bonds
- Dual recourse principle
- Special supervision by local FSA
- Cover Pool Monitor function (Trustee appointed by FSA)
- Minimum 10% overcollateralisation
- Obligatory coverage and liquidity testing regimes



Eligible assets

- First lien Polish residential mortgage loans
- Legal title to the property located in Poland
- High quality substitute assets
- Derivatives inclusion
- LtMLV* limit for residential mortgages $\leq 100\%$

Preferential treatment

- UCITS/CRR Compliant
- Bail-in exempt
- Bankruptcy remoteness
- NBP repo eligible
- LCR eligible



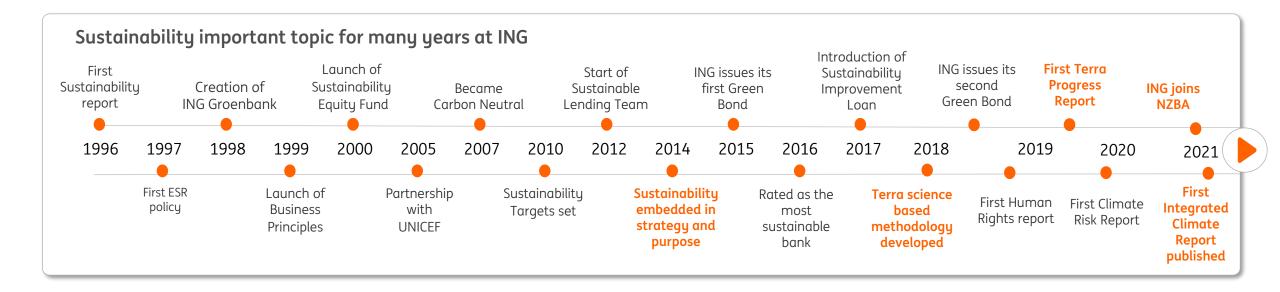
Insolvency preceeding

- In case of insolvency strict procedure driven by coverage/liquidity test results
- Covered bond maturity extension by 12M (soft bullet) or
- Further Covered bonds maturity extension (Conditional Pass Through)

Robust regulatory regime aligned with the best market practices and recommendations of the ECB

Green Credentials

Climate has been an area of ING Group focus for a long time





If we want to help create a healthy planet with prosperous people...



...we must at the very least ensure that our own impact is responsible,



but we can do more, financing change, sharing knowledge and using our innovation skills.

ING's Integrated Climate Strategic Framework



Local initiatives – key priorities

#ING for

entrepreneurship

Our shared responsibility is to **empower our customers in managing finances to allow them do their thing.**



#ING for

equal opportunities

Our shared responsibility is to **build openness and equal opportunities.**





Our shared responsibility is to **combat the climate crisis.**

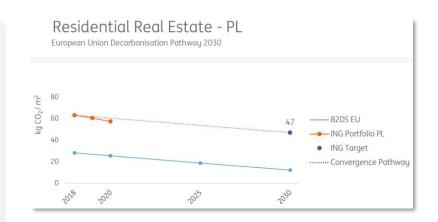


ING residential real estate portfolio in Poland



In 2021, for the first time, we have joined ING Climate Report in the residential real estate area, emphasizing our long term commitment to portfolio performance measurement and evaluation.

- In 2020 average annual energy demand for mortgages financed by ING in Poland amounted to 150 kWh/m2.
- CO2 intensity metric for the Polish residential mortgages portfolio is 57 kg CO2/m2 a year, well below national average of 81 kg CO2/m2 a year.
- Due to the high carbon intensity of the Polish energy mix, this metric is almost twice as high compared to the other markets and reflects specific local conditions.
- We were also able to back date our analysis to show how this has moved in the last three years, where progress has also been made, with a reduction of 9% during that time.
- There are many factors to consider in terms of the outlook for the future.
- Going forward, we intend to constantly improve our methodology, closely monitor all related factors and update our projection based on new developments.



We issue green bonds to support our sustainability objectives

Recent Green Bond transactions

Year of Issuance	2019	2020	2021	2021	2021
Issuer	ING Bank Hipoteczny	ING Group N.V.	ING Group N.V.	ING Group N.V.	ING-DiBa
Size / Currency	PLN400mln	\$1 billion	£800 million	€500 million	€1.25 billion
Tenor	5yr	6NC5	Short 8NC7	11NC6	7yr
Funding Type	Covered Bond	HoldCo Senior	HoldCo Senior	Tier 2	Covered Bond

Green Bond issuance objectives

- Support meeting our sustainability objectives
- Fund growth in our green asset portfolio
- Continued leadership in the Green Bond market
- Development of the Global Green Bond market

First issuance by **ING Bank Hipoteczny received CBI certification**. Rigorous scientific criteria ensure that it is consistent with the 2 degrees Celsius warming limit in the Paris Agreement. The Scheme is used globally by bond issuers, governments, investors and the financial markets to prioritise investments which genuinely contribute to addressing climate change



ING Green Bond Framework

1 Use of proceeds

Eligible Green Loan Portfolio includes Green Buildings:

- Green residential buildings
 - Single-Family Home
 - Multi-Family Home
- Green commercial buildings
 - Office
 - Shopping Centre/Mall

3 Management of Proceeds

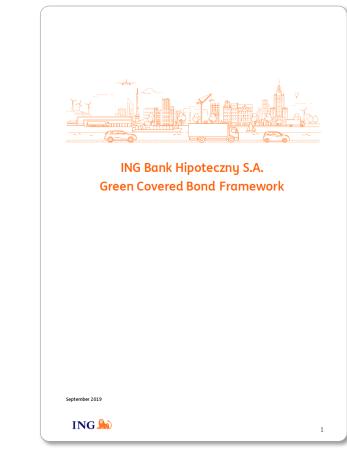
- Portfolio based allocation approach
- Total number of green buildings* (8 123)
- Single pool of eligible green loans*:
 - Single-Family Home (630.4 mio PLN)
 - Multi-Family Home (1 111.1 mio PLN)

Project Evaluation and Selection

- When identifying eligible projects and their non-financial impacts ING Bank Hipoteczny S.A. may rely on external consultants and their data sources.
- A Green Covered Bond Committee will manage any future updates to the Framework, including expansions to the list of Eligible Categories
- It is part of ING's ESR transaction approval process to ensure, that all its loans comply with internal environmental and social directives, including those financed with the proceeds of the Green Covered Bonds.

Reporting

- Aggregated (multiple Green Bonds possible)
- Allocation report: the total amount of proceeds allocated to eligible loans, number of eligible loans, balance of unallocated proceeds, amount or the percentage of new financing and refinancing
- Impact report: ING will report the estimated annual avoided / reduced CO2 emissions in tons and energy savings in MWh





Eligible Green Loan Portfolio: Green Buildings

Use of Proceeds: Green Buildings

Eligible Green Loan Portfolio is defined as the financing or refinancing of the buildings which fulfilled the following criteria:

- New or existing buildings belonging to top 15% low carbon buildings in Poland
- Energy Standard (technical condition / year of construction)
- Green Building Certification (e.g. LEED®, BREEAM®, DGNB®, HQE®)
- Property upgrade (reduction in carbon emissions)

ING Mortgage Bank Green Buildings Impact Reporting*	DREES & SOMMER
Total portfolio size	1.74 bn PLN
Energy Savings	81 702 MWh/year
Avoided / reduced emissions per year	31 255 ton CO ₂ /year
Avoided / reduced emissions per mil €	82.8 ton CO ₂ /mln EUR
invested by ING	



31.255 (ton CO₂eq) \approx^{**} or



15.497 hectares of forests for one year

Portfolio composition ING Mortgage Bank Green Buildings Loan Portfolio*

	Signed Amount (PLN)	% of Total Portfolio	Number of Buildings	Energy savings (MWh/year)	Avoided Emissions (tCO ₂ /year)
Single-family houses	630 445 142	36.2	2 604	39 070	14 946
Multi-family houses	1 111 086 970	63.8	5 519	42 631	16 308
Total	1 741 532 113	100.0	8 123	81 702	31 255

First green covered bond issuance is already **fully allocated** to green assets portfolio, moreover Bank **significantly increased eligible green loans portfolio** in recent years, which at the end of September 2021 is estimated to **2.28 bn PLN**

** https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

ISS ESG Second party opinion

Opinion on the Green Bond

- ISS's overall evaluation of the Green Bond Portfolio by ING BH is positive
- ING BH's Green Bond is in line with the Green Bond Principles
- ING has provided ISS ESG with detailed information describing eligibility criteria for the assets to be included in its Green Bonds, the processes of selecting eligible assets, the management of proceeds and the future reporting to investors
- The overall sustainability quality of the asset pool in terms of sustainability benefits, risk avoidance and minimisation is good based upon the ISS ESG assessment.
- All assets are located in Poland, where high labour and health and safety standards are in place for construction and maintenance work

Opinion on ING Group sustainability

- ING Group is classified as "Prime". This means that the company performed well in terms of sustainability, both compared against others in the industry and in terms of the industry-specific requirements defined by ISS.
- ING Group achieved a rating that was above the average for the sector. A very significant outperformance was achieved in "Sustainable investment criteria"







Disclaimer

This presentation is for general information and advertising purposes. This presentation does not constitute an investment recommendation or information recommending or suggesting an investment strategy. It does not constitute information which, directly or indirectly, expresses a particular investment proposal in respect of a financial instrument or an issuer or which proposes a particular investment decision; and it does not constitute information recommending or suggesting an investment strategy, explicitly or implicitly, concerning one or several financial instruments or issuers.

This presentation and the information therein were prepared and provided for information purposes only. They are not (directly or indirectly) intended or to be construed as and do not constitute a direct or indirect offer, recommendation or solicitation to buy, hold or sell any securities or other financial instrument, or an invitation to make an offer to buy, to subscribe for or otherwise acquire any securities or other financial instrument or to provide or obtain any financial services.

The information contained herein does not claim to be comprehensive or complete. This presentation is not a prospectus or sales prospectus or a comparable document or a comparable information and therefore does not contain all material information which is necessary for making an investment decision. Any offer of securities, other financial instruments or financial services would be made pursuant to offering materials to which prospective investors would be referred.

This presentation contains information and statements, taken or derived from generally available sources (other than ING Bank Hipoteczny S.A., "ING BH"). This applies especially (but is not limited) to market, industry and customer data and reports.

ING BH believes such sources to be reliable. ING BH is not able to verify the information from such sources, however, and has not verified it. Therefore ING BH does not give any warranty or guarantee, makes no representation and does not assume or accept any responsibility or liability with regard the accuracy or completeness of such information, which was taken or derived from such sources.

This presentation contains forward-looking statements. Forward-looking statements are all statements, information and data which are not statements, information and data of historical facts. They include in particular (but are not limited to) statements, information and data relating to plans, objectives or expectations, relating to future results or developments, or relating to assumptions in connection with such statements, information or data, with regard to ING BH, products, services, industries or markets. Forward-looking statements are based on plans, estimates, projections, objectives and assumptions as and to the extent they are available to the management of ING BH in advance to and for such statements. Forward-looking statements are only valid on such basis and only as of the date they are made. ING BH undertakes no obligation to update or revise any forward-looking statement (e.g. in case of new information or events).

Disclaimer

Forward-looking statements, by their very nature, are subject to risks and uncertainties. A number of factors could cause actual developments and results to differ materially from the forward-looking statements and in particular in a materially negative way. Such factors include, but are not limited to, changes in the conditions on the financial markets in Poland, Europe or other countries or regions in which ING BH operates, holds substantial assets or from which it derives substantial revenues; developments of assets prices and market volatility, potential defaults of borrowers and trading counterparties, implementation of strategic initiatives, effectiveness of policies and procedures, regulatory changes and decisions, political or economic developments in Poland or elsewhere. Therefore this presentation does make any statement or prediction in relation to any actual development or result (in particular (but not limited to) values, prices, portfolios, financial items or other figures or circumstances). Changes in underlying assumptions have a material impact on expected or calculated developments. Earlier or later presentations may differ from this presentation in relation to forward-looking statements, in particular in relation to developments and results as well as assumptions. ING BH undertakes no obligation to notify recipients of this presentation with regard to such differences or presentations.

Past performance is not a reliable indicator for future performance. Exchange rates, volatility of financial instruments and other factors can have a negative effect on it. The presentation of data and performance related to the past or the depiction of awards for the performance of products are thus not a reliable indicator for the future performance.

All information in this presentation relates to the date of preparation of this document only (and historic information to its respective relevant date) and is subject to change at any time, without such change being announced or published and without the recipient of this presentation being informed thereof in any other way. There is no guarantee or warranty for the continuing accuracy of the information. The information herein supersedes any prior versions hereof and any prior presentation and will be superseded by any subsequent versions hereof, any subsequent presentations, and any offering materials. ING BH has not obligation to update or periodically review the presentation. ING BH has no obligation to inform any recipient of any subsequent presentation or subsequent versions hereof.

This presentation does not constitute investment, legal, accounting or tax advice. It is no assurance or recommendation that a financial instrument, investment or strategy is suitable or appropriate for the individual circumstances of the recipient.

Any transaction should only be effected after an own assessment by the investor of the investor's individual financial situation, the suitability for the investor and the risks of the investment. This presentation cannot replace personal advice. It does not consider the individual situation of the investor. Each recipient should, before making an investment decision, make further enquiries with regard to the appropriateness of investing in any financial instruments and of any investment strategies, and with regard to further and updated information with respect to certain investment opportunities and should seek the advice of an independent investment adviser for individual investment advice and the advice of a legal and tax advisor. To the extent that this presentation contains indications with regard to tax effects it is noted that the actual tax effects are subject to the individual circumstances of the investor and subject to any future changes.

This presentation and its contents must not be further published, reproduced, redistributed, disclosed or passed on to any third party, in whole or in part, for any purpose, without the prior consent of ING BH. Please note that the distribution of information relating to issuers of financial instruments, and offer and sale of financial instruments may not be permitted in all countries (in particular not in the USA or to U.S. persons). Persons who obtain possession of this document have to inform themselves about national restrictions and have to comply with them.

Contact details

Michał Dumicz

Treasurer ING Bank Hipoteczny M: +48 887 661 631 E: <u>michal.dumicz@inghipoteczny.pl</u>

Management Board Bureau

M: +48 32 357 8433 E: <u>info@inghipoteczny.pl</u>

Mirosław Boda

CEO ING Bank Hipoteczny T: +48 32 357 8433 E: <u>miroslaw.boda@inghipoteczny.pl</u>

ING Bank Hipoteczny S.A.

Ul. Chorzowska 50 40-101 Katowice Poland W: <u>www.inghipoteczny.pl</u>