

CEE Equity Research

Banks Poland

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From one grill to another

Reiterated Neutral, TP up to PLN32.0 from PLN30.0

In 2020 PKO reported loss because of huge CHF provisions, 2021 was low yield environment, 2022 was hedging and one-offs, 2023E is likely to be affected by CHF and election campaign, 2024E could be under pressure of rate cuts, as we see it.

PKO remains relatively cheap but probability of potential negative triggers (election campaign, windfall tax, further CHF provisions) seems higher than probability of positive triggers (Poland addressing CHF saga with a bill, Ukraine winning war with Russia, higher 2024 payout) thus we reiterate recommendation.

2022 was painfully affected by PLN3.6bn impact of hedging on NII... 2022 NII in the Polish banking sector was up 76%. 2022 NII at PKO grew "only" 51% y/y as hedging cost PKO PLN3,580mn in 2022 (PLN1,238 in 4Q22 alone).

.., and PLN4.9bn one offs. PKO reported 2022 net income of PLN3.3bn, but excluding one-offs (payment holidays, CHF, GNB resolution, FWK) the net income would be at PLN8.2bn.

We expect PLN10.1bn underlying net income in 2023E... NII should further grow due to maturing hedging and low 1H22 base. Decreasing operating expenses (no FWK, no resolution) should more than offset uptake in cost of risk.

... to be consumed by CHF and windfall tax. Our valuation assumes that PKO would increase CHF provisions by further PLN6.0bn (PLN3.0bn in 2023E and PLN3.0bn in 2024E) to 87% coverage. PKO assumptions on the probability of various scenarios for CHF (50% settlement, 30% lawsuit, 20% do nothing) differ from ours (25% settlements, 65% lawsuits, 10% do nothing). We have additionally guesstimated windfall tax at PLN2.0bn in 2023E conservatively assuming that Polish banks are likely to face similar tax to those introduced in Czech and Hungary.

Valuation and risk. Our Dec'23 TP is at PLN32.0 and is a weighted average of DDM pointing to valuation of PLN34.9 and a comparative valuation pointing to PLN36.4 (all per share) reduced by PLN 3.9 related to anticipated further cost related to CHF portfolio. We note risks related to governance, macro, regulations, CHF-mortgages, dividends and equity flows.

Fig. 1. PKO BP: Financial summary

PLNmn	2021	2022E	2023E	2024E	2025E
P/E (adjusted)	11.2x	4.5x	3.7x	5.3x	6.0x
P/E (reported)	11.2x	11.2x	6.1x	8.2x	6.0x
P/BV	1.45x	1.05x	0.92x	0.84x	0.78x
Dividend Yield	6.1%	4.4%	8.1%	6.1%	8.3%
EPS (PLN)	3.90	6.59	8.08	5.58	4.93
DPS (PLN)	1.83	1.30	2.42	1.82	2.46
BVPS (PLN)	30.2	28.4	32.4	35.6	38.1
Net Income (adj. PLN mn)	4,874	8,239	10,106	6,969	6,157
Net Income (PLN mn)	4,874	3,333	6,056	4,539	6,157

Source: Company data, Santander Brokerage Poland estimates.

Recommendation	Neutral
Dec'23 Target Price (PLN)	32.0
Current price (PLN, 10 Mar 2023)	29.78
Market cap. (PLNbn)	37.2
Avg. daily turnover (PLNmn)	99.4
Number of shares (mn)	1,250



The chart measures performance against the WIG index.

Main shareholders	% of votes
Republic of Poland Ministry of State Treasury	29.43%
NN OFE	8.28%
Aviva OFE	7.26%

Source: Stoog.pl, Santander Brokerage Poland

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Fig. 2. Valuation summary (PLN/share)

Recommendation	Neutral
Dec'23 Target Price (PLN)	32.00
Current price (PLN)	29.78
Prospective upside (%)	7

*Our Target Price is calculated as rounded average of DDM Valuation (50% weight) and Comp (50% weight) less estimated impact of CHF-mortgages.

DDM valuation (PLN/share)	34.9
Discounted dividends	10.1
(PLN/share)	10.1
Terminal value (PLN/share)	25
Terminal ROE (%)	13.37
g (%)	3.00
CoE (%)	14.80
RFR (%)	12.80
Beta (x)	1.30
ERP (%)	6.0

Comp. Valuation PLN/share	36.4
Net Income (PLN mn, next 12 months)	10,106
Applied P/E (x)	4.5
P/E peers (x)	6.0
CHF impact	-3.9

Fig. 3. DDM Valuation sensitivity (PLN/share)

	ROE->	9.4%	11.4%	13.4%	15.4%	17.4%
	1.0%	26.7	30.7	34.6	38.6	42.5
	2.0%	26.1	30.4	34.7	39.1	43.4
g	3.0%	25.3	30.1	34.9	39.6	44.4
	4.0%	24.4	29.7	35.0	40.3	45.6
	5.0%	23.2	29.2	35.2	41.2	47.2

Fig. 4. DDM Valuation sensitivity (PLN/share)

	ERP->	4.0%	5.0%	6.0%	7.0%	8.0%
	4.0%	53.8	44.8	38.5	33.9	30.4
	4.5%	49.9	42.1	36.6	32.4	29.3
RFR	5.0%	46.6	39.8	34.9	31.1	28.2
	5.5%	43.7	37.7	33.3	29.9	27.3
	6.0%	41.2	35.9	31.9	28.8	26.4

Fig. 5. Our forecast vs Bloomberg consensus

	Bloom	berg con	sensus	Our assumptions vs cons.				
	2023E	2024E	2025E	2023E	2024E	2025E		
Net income	5,900	6,264	6,681	3%	-28%	-8%		
DPS (PLN)	1.38	1.89	2.69	-6%	28%	-33%		
ROE (%)	15.6	15.3 16.		0.4 pp	-4.6 pp	-2.8 pp		

Fig. 6. Comps Valuation sensitivity (PLN/share)

Fair P/E (x)	1.0x	2.0x	3.0x	4.5x	8.0x	12.0x
vs. peers (%)	-83	-67	-50	-25	33	100
Sensitivity	8.1	16.2	24.3	36.4	64.7	97.0

Fig. 7. Ratios, Assumptions and Forecasts

P&L (PLN mn)	2021	2022	2023E	2024E	2025E	PLN bn	2021	2022	2023E	2024E	2025E
NII	9,882	14,924	17,912	13,673	13,051	Total Assets	420	431	440	452	464
F&C	4,431	4,951	5,052	5,178	5,308	Bonds	135	136	142	149	154
Trading Income	718	310	195	194	192	Loans	236	232	235	240	246
Total Revenue	15,079	20,383	23,320	19,205	18,711	Loans growth (%)	6	-2	1	2	2
Cost	-6,174	-7,850	-6,890	-7,268	-7,620	Deposits	322	340	344	352	361
NLLP	-1,345	-1,564	-2,079	-1,507	-1,548	Equity	38	35	41	45	48
one-offs	0	-5,025	-5,000	-3,000	0						
Pre-tax Profit	7,591	6,015	9,390	7,470	9,583	Mortgage loans	115	105	103	106	109
Banking tax	-1,079	-1,266	-1,268	-1,287	-1,318	CHF mortgages	20	17	14	11	9
Net Income	4,874	3,333	6,056	4,539	6,157	Other retail loans	31	32	34	35	36
Net Income (adj.)	4,874	8,239	10,106	6,969	6,157	Corporate loans	92	104	106	108	110
NIM ratios (%)	2021	2022	2023E	2024E	2025E	Risk ratios (%)	2021	2022	2023E	2024E	2025E
Asset yield (%)	2.82	4.97	6.74	3.83	3.38	Stage 3 ratio (%)	3.9	3.7			
Funding cost (%)	0.22	1.41	2.68	0.63	0.37	Stage 3 coverage (%)	61.3	61.8			
NIM (%)	2.64	3.77	4.43	3.29	3.06	Cost of risk (%)	0.59	0.67	0.89	0.63	0.64
Du Pont (%)	2021	2022	2023F	2024F	2025F	Capital & dividends	2021	2022	2023F	2024F	2025F
Du Pont (%) NII/assets	2021 2.48	2022 3.51	2023E 4.11	2024E 3.06	2025E 2.85	Capital & dividends Tier-1 (PLN bn)	2021 38.2	2022 40.8	2023E 42.5	2024E 45.5	2025E 47.8
NII/assets	2.48	3.51	4.11	3.06	2.85	Tier-1 (PLN bn)	38.2	40.8	42.5	45.5	47.8
NII/assets CoR/assets	2.48 -0.34	3.51 -0.37	4.11 -0.48	3.06 -0.34	2.85 -0.34	Tier-1 (PLN bn) Tier-2 (PLN bn)	38.2 2.7	40.8 2.7		45.5 2.7	47.8 2.7
NII/assets	2.48	3.51	4.11	3.06	2.85	Tier-1 (PLN bn)	38.2	40.8	42.5 2.7	45.5	47.8
NII/assets CoR/assets F&C/assets	2.48 -0.34 1.11	3.51 -0.37 1.16	4.11 -0.48 1.16	3.06 -0.34 1.16	2.85 -0.34 1.16	Tier-1 (PLN bn) Tier-2 (PLN bn) TCR (PLN bn)	38.2 2.7 17.5	40.8 2.7 17.2	42.5 2.7 17.4	45.5 2.7 17.9	47.8 2.7 18.3
NII/assets CoR/assets F&C/assets Other rev/assets	2.48 -0.34 1.11 0.20	3.51 -0.37 1.16 0.14	4.11 -0.48 1.16 0.09	3.06 -0.34 1.16 0.09	2.85 -0.34 1.16 0.09	Tier-1 (PLN bn) Tier-2 (PLN bn) TCR (PLN bn) RWA (PLN mn)	38.2 2.7 17.5 202.9	40.8 2.7 17.2 199.1	42.5 2.7 17.4 201.7	45.5 2.7 17.9 206.5	47.8 2.7 18.3 211.4
NII/assets CoR/assets F&C/assets Other rev/assets Costs/assets	2.48 -0.34 1.11 0.20 -1.55	3.51 -0.37 1.16 0.14 -1.85	4.11 -0.48 1.16 0.09 -1.58	3.06 -0.34 1.16 0.09 -1.63	2.85 -0.34 1.16 0.09 -1.66	Tier-1 (PLN bn) Tier-2 (PLN bn) TCR (PLN bn) RWA (PLN mn) CT1 ratio (%)	38.2 2.7 17.5 202.9 17.4	40.8 2.7 17.2 199.1 18.9	42.5 2.7 17.4 201.7 19.5	45.5 2.7 17.9 206.5 20.4	47.8 2.7 18.3 211.4 20.9
NII/assets CoR/assets F&C/assets Other rev/assets Costs/assets Taxes&other/assets	2.48 -0.34 1.11 0.20 -1.55 -0.68	3.51 -0.37 1.16 0.14 -1.85 -1.81	4.11 -0.48 1.16 0.09 -1.58 -1.91	3.06 -0.34 1.16 0.09 -1.63 -1.33	2.85 -0.34 1.16 0.09 -1.66 -0.75	Tier-1 (PLN bn) Tier-2 (PLN bn) TCR (PLN bn) RWA (PLN mn) CT1 ratio (%) CAR ratio (%)	38.2 2.7 17.5 202.9 17.4 18.6	40.8 2.7 17.2 199.1 18.9 20.2	42.5 2.7 17.4 201.7 19.5 20.7	45.5 2.7 17.9 206.5 20.4 21.6	47.8 2.7 18.3 211.4 20.9 22.1

NOTE: historical valuation ratios based on eoy prices.



Quarterly Earnings summary - Consensus beat on F&C and CoR

PKO reported 4Q22 net income of PLN1.7bn.

Fig. 8. Results review (year to December)

Net Interest Income 10,20 10,22 20,22 30,23 30,23 40,158 6 56 56 4,100 1 4,087 2 2 2 2 2 1,241 1 1,238 2 2 2 1,241 1 1,238 3 3 3 3 3 3 3 3 3	ing. o. Results review (ye			,								
Fees & commissions 1,195 1,179 1,249 1,282 1,241 -3 4 1,224 1 1,238 0 Trading Income 133 80 14 150 66 -56 -50 48 38 Other (Net) -24 50 55 55 541 -25 -271 40 2 Total Revenue 3,973 4,509 4,954 5,414 5,506 2 39 5,412 2 5,454 1 Personnel Costs -837 -799 -854 -851 -947 11 13 -1,000 -5 General Expenses -492 -800 -1,249 -780 -538 -31 9 -480 12 D&A -1,582 -1,846 -2,359 -1,527 -70 11 -1,743 1 -1,742 1 Operating Income 2,391 2,663 2,595 3,523 3,754 7 57 3,668 2	PKO BP (PLN mn)	4Q21	1Q22	2Q22	3Q22	4Q22	q/q	y/y	4Q22E	vs. E	cons.	vs. cons.
Trading Income 133 80 14 150 66 -56 -50 48 38	Net Interest Income	2,669	3,200	3,639	3,927	4,158	6	56	4,100	1	4,087	2
Cher (Net) Che	Fees & commissions	1,195	1,179	1,249	1,282	1,241	-3	4	1,224	1	1,238	0
Total Revenue 3,973 4,509 4,954 5,414 5,506 2 39 5,412 2 5,454 1 Personnel Costs -837 -799 -854 -851 -947 111 13 -1,000 -5 -5 General Expenses -492 -800 -1,249 -780 -538 -31 9 -480 12 D&A -255 -260 -267 -30 6 -263 1 Operating Expenses -1,582 -1,846 -2,359 -1,891 -1,752 -7 111 -1,743 1 -1,742 1 Operating Income 2,391 2,663 2,595 3,523 3,754 7 57 3,668 2 - 1 1,742 1 1 -9 -15 2,652 -17 3,668 2 - -411 -9 -9 -400 -6 -411 -9 -9 -15 -6 -330 -6 -411 <td>Trading Income</td> <td>133</td> <td>80</td> <td>14</td> <td>150</td> <td>66</td> <td>-56</td> <td>-50</td> <td>48</td> <td>38</td> <td></td> <td></td>	Trading Income	133	80	14	150	66	-56	-50	48	38		
Personnel Costs	Other (Net)	-24	50	52	55	41	-25	-271	40	2		
General Expenses -492 -800 -1,249 -780 -538 -31 9 -480 12	Total Revenue	3,973	4,509	4,954	5,414	5,506	2	39	5,412	2	5,454	1
D8A	Personnel Costs	-837	-799	-854	-851	-947	11	13	-1,000	-5		
Operating Expenses -1,582 -1,846 -2,359 -1,891 -1,752 -7 11 -1,743 1 -1,742 1 Operating Income 2,391 2,663 2,595 3,523 3,754 7 57 3,668 2 Net Loan Loss Provisions -528 -504 -226 -460 -374 -19 -29 -400 -6 -411 -9 Other (Net) 0 0 -1,176 -3,111 -738 -738 0 -738 0 Associate income 10 14 14 33 10 -70 0 33 -70 Pre-tax Profit 1,873 2,173 1,207 -15 2,652 -17778 42 2,563 3 Corporate Income Tax -377 -451 -466 105 -604 -675 60 -550 10 Minority interests 1 23 1,416 422 -237 1,732 -831 44 <t< td=""><td>General Expenses</td><td>-492</td><td>-800</td><td>-1,249</td><td>-780</td><td>-538</td><td>-31</td><td>9</td><td>-480</td><td>12</td><td></td><td></td></t<>	General Expenses	-492	-800	-1,249	-780	-538	-31	9	-480	12		
Operating Income 2,391 2,663 2,595 3,523 3,754 7 57 3,668 2 Net Loan Loss Provisions -528 -504 -226 -460 -374 -19 -29 -400 -6 -411 -9 Other (Net) 0 0 -1,176 -3,111 -738 0 -738 0 -738 0 Associate income 10 14 14 33 10 -70 0 33 -70 Pre-tax Profit 1,873 2,173 1,207 -15 2,652 -17778 42 2,563 3 Corporate Income Tax -377 -451 -466 105 -604 -675 60 -550 10 Minority interests 1 1 0 1 -2 -300 -300 0 0 Banking tax' -294 -307 -312 -831 44 1,683 3 1,698 2 Net Income </td <td>D&A</td> <td>-253</td> <td>-247</td> <td>-256</td> <td>-260</td> <td>-267</td> <td>3</td> <td>6</td> <td>-263</td> <td>1</td> <td></td> <td></td>	D&A	-253	-247	-256	-260	-267	3	6	-263	1		
Net Loan Loss Provisions -528 -504 -226 -460 -374 -19 -29 -400 -6 -411 -9 Other (Net) 0 0 -1,176 -3,111 -738 -738 0 -738 0 Associate income 10 14 14 33 10 -70 0 33 -70 Pre-tax Profit 1,873 2,173 1,207 -15 2,652 -17778 42 2,563 3 Corporate Income Tax -377 -451 -466 105 -604 -675 60 -550 10 Minority interests 1 1 0 1 -2 -300 -300 0 Banking tax' -294 -307 -319 -328 -312 -5 6 -330 -6 Net Income 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4021	Operating Expenses	-1,582	-1,846	-2,359	-1,891	-1,752	-7	11	-1,743	1	-1,742	1
Other (Net) 0 0 -1,176 -3,111 -738 -738 0 -738 0 Associate income 10 14 14 33 10 -70 0 33 -70 Pre-tax Profit 1,873 2,173 1,207 -15 2,652 -17778 42 2,563 3 Corporate Income Tax -377 -451 -466 105 -604 -675 60 -550 10 Minority interests 1 1 0 1 -2 -300 -300 0 Banking tax' -294 -307 -319 -328 -312 -5 6 -330 -6 Net Income 1,203 1,416 22195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6	Operating Income	2,391	2,663	2,595	3,523	3,754	7	57	3,668	2		
Associate income 10 14 14 33 10 -70 0 33 -70 Pre-tax Profit 1,873 2,173 1,207 -15 2,652 -17778 42 2,563 3 Corporate Income Tax -377 -451 -466 105 -604 -675 60 -550 10 Minority interests 1 1 0 1 0 1 -2 -300 -300 0 Banking tax' -294 -307 -319 -328 -312 -5 6 -330 -6 Net Income 1,203 1,416 422 -237 1,732 -831 44 1,683 3 1,698 2 NI excl. one-offs 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 7 3 74 72 69 68 -1 pp -4 pp 68 0 pp	Net Loan Loss Provisions	-528	-504	-226	-460	-374	-19	-29	-400	-6	-411	-9
Pre-tax Profit 1,873 2,173 1,207 -15 2,652 -17778 42 2,563 3 Corporate Income Tax -377 -451 -466 105 -604 -675 60 -550 10 Minority interests 1 1 0 1 -2 -300 -300 0 Banking tax' -294 -307 -319 -328 -312 -5 6 -330 -6 Net Income 1,203 1,416 422 -237 1,732 -831 44 1,683 3 1,698 2 Net Income 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 <td>Other (Net)</td> <td>0</td> <td>0</td> <td>-1,176</td> <td>-3,111</td> <td>-738</td> <td></td> <td></td> <td>-738</td> <td>0</td> <td>-738</td> <td>0</td>	Other (Net)	0	0	-1,176	-3,111	-738			-738	0	-738	0
Corporate Income Tax -377 -451 -466 105 -604 -675 60 -550 10 Minority interests 1 1 0 1 -2 -300 -300 0 Banking tax' -294 -307 -319 -328 -312 -5 6 -330 -6 Net Income 1,203 1,416 422 -237 1,732 -831 44 1,683 3 1,698 2 Net cl. one-offs 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322	Associate income	10	14	14	33	10	-70	0	33	-70		
Minority interests 1 1 0 1 -2 -300 -300 0 Banking tax' -294 -307 -319 -328 -312 -5 6 -330 -6 Net Income 1,203 1,416 422 -237 1,732 -831 44 1,683 3 1,698 2 Ni excl. one-offs 1,203 1,416 422 -237 1,732 -831 44 1,683 3 1,698 2 Ni excl. one-offs 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4	Pre-tax Profit	1,873	2,173	1,207	-15	2,652	-17778	42	2,563	3		
Banking tax' -294 -307 -319 -328 -312 -5 6 -330 -6 Net Income 1,203 1,416 422 -237 1,732 -831 44 1,683 3 1,698 2 NI excl. one-offs 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equit	Corporate Income Tax	-377	-451	-466	105	-604	-675	60	-550	10		
Net Income 1,203 1,416 422 -237 1,732 -831 44 1,683 3 1,698 2 NI excl. one-offs 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q2E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 <t< td=""><td>Minority interests</td><td>1</td><td>1</td><td>0</td><td>1</td><td>-2</td><td>-300</td><td>-300</td><td>0</td><td></td><td></td><td></td></t<>	Minority interests	1	1	0	1	-2	-300	-300	0			
NI excl. one-offs 1,203 1,416 2,195 2,377 2,252 -5 87 2,120 6 Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin	Banking tax'	-294	-307	-319	-328	-312	-5	6	-330	-6		
Balance Sheet (PLN bn) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40	Net Income	1,203	1,416	422	-237	1,732	-831	44	1,683	3	1,698	2
Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp </td <td>NI excl. one-offs</td> <td>1,203</td> <td>1,416</td> <td>2,195</td> <td>2,377</td> <td>2,252</td> <td>-5</td> <td>87</td> <td>2,120</td> <td>6</td> <td></td> <td></td>	NI excl. one-offs	1,203	1,416	2,195	2,377	2,252	-5	87	2,120	6		
Net client lending 234.3 236.7 234.6 235.0 231.7 -1 -1 232.6 0 Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp </td <td></td>												
Bonds 135.4 133.5 129.6 129.4 135.6 5 0 130.2 4 Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Balance Sheet (PLN bn)	4Q21	1Q22	2Q22	3Q22	4Q22	q/q	y/y	4Q22E	vs. E		
Customer deposits 322.3 321.9 326.3 340.4 339.6 0 5 343.0 -1 Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Net client lending	234.3	236.7	234.6	235.0	231.7	-1	-1	232.6	0		
Total assets 418.1 421.6 428.8 438.5 430.7 -2 3 441.1 -2 Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Bonds	135.4	133.5	129.6	129.4	135.6	5	0	130.2	4		
Equity ex minorities 37.7 35.7 31.0 31.7 35.4 12 -6 35.0 1 Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q2E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Customer deposits	322.3	321.9	326.3	340.4	339.6	0	5	343.0	-1		
Key Ratios (%) 4Q21 1Q22 2Q22 3Q22 4Q22 q/q y/y 4Q22E vs. E Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Total assets	418.1	421.6	428.8	438.5	430.7	-2	3	441.1	-2		
Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Equity ex minorities	37.7	35.7	31.0	31.7	35.4	12	-6	35.0	1		
Net Interest Margin 2.78 3.29 3.73 3.97 4.16 19 bp 149 bps 4.09 7 bp Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp												
Cost to Income -40 -41 -48 -35 -32 3 pp 8 pp -32 0 pp Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Key Ratios (%)							_	4Q22E	vs. E		
Cost of risk [bps] -91 -86 -38 -78 -64 14 bp 27 bps -68 4 bp Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Net Interest Margin	2.78	3.29		3.97	4.16	19 bp		4.09	7 bp		
Loans to deposits ratio 73 74 72 69 68 -1 pp -4 pp 68 0 pp	Cost to Income	-40	-41		-35	-32	3 рр		-32	0 pp		
	Cost of risk [bps]	-91	-86	-38	-78	-64	14 bp	27 bps	-68	4 bp		
ROE 12.1 15.4 5.1 -3.0 20.6 23.7 pp 8.5 pp 20.2 0.4 pp	Loans to deposits ratio				69	68	-1 pp		68	0 pp		
	ROE	12.1	15.4	5.1	-3.0	20.6	23.7 pp	8.5 pp	20.2	0.4 pp		

Source: Company data, Santander Brokerage Poland estimates.



Forecast changes

Fig. 9. PKO - Forecast changes - balance sheet

	_	2022E				2023	E			2024E		
PLN bn	New	Old	%	PLN bn	New	Old	%	PLN bn	New	Old	%	PLN bn
Total Assets	430.7	437.9	-2	-7	440.2	442.6	-1	-2	452.3	453.7	0	-1
Bonds	135.6	129.2	5	6	142.1	134.0	6	8	148.7	140.1	6	9
Loans	231.7	234.6	-1	-3	234.8	234.4	0	0	240.4	239.4	0	1
Loans growth (%)	-2	0			1	0			2	2		
Deposits	339.6	339.8	0	0	344.1	339.6	1	4	352.3	346.9	2	5
Equity	35.4	31.7	12	4	40.4	36.6	10	4	44.4	40.4	10	4
Mortgage loans	105.5	112.1	-6	-7	103.5	110.1	-6	-7	106.5	112.7	-6	-6
CHF mortgages	16.7	18.3	-9	-2	13.6	16.9	-19	-3	11.1	15.6	-29	-4
Other retail loans	32.3	30.6	5	2	33.6	31.9	5	2	35.0	33.2	5	2
Corporate loans	103.7	99.6	4	4	105.8	101.6	4	4	107.9	103.6	4	4
Risk ratios (%)	New	Old	%		New	Old	%		New	Old	%	
Cost of risk (%)	0.67	0.65	0.02		0.89	1.00	-0.11		0.63	0.61	0.03	
Capital & dividends	New	Old	%		New	Old	%		New	Old	%	
Tier-1 (PLN bn)	40.8	40.8	0.0		42.5	42.8	-0.3		45.5	47.5	-2.0	
Tier-2 (PLN bn)	2.7	2.7	0.0		2.7	2.7	0.0		2.7	2.7	0.0	
TCR (PLN bn)	17.2	17.4	-0.2		17.4	17.4	0.0		17.9	17.8	0.1	
RWA (PLN mn)	199.1	201.6	-2.4		201.7	201.4	0.3		206.5	205.7	0.8	
CT1 ratio (%)	18.9	18.7	0.2		19.5	19.6	-0.2		20.4	21.4	-1.0	
CAR ratio (%)	20.2	20.0	0.2		20.7	20.9	-0.2		21.6	22.6	-1.0	
Div. payout (%)	50.0	50.0	0.0		50.0	50.0	0.0		50.0	50.0	0.0	
Dividend (PLN mn)	2,288	2,288	0		1,625	1,997	-372		3,027	4,738	-1,711	
No. of shares (mn)	1,250	1,250	0		1,250	1,250	0		1,250	1,250	0	

Source: Company data, Santander Brokerage Poland estimates

Fig. 8. PKO - Forecast changes - P&L

		2022	E			2023	E			2024E		
P&L (PLN mn)	New	Old	%	PLN mn	New	Old	%	PLN mn	New	Old	%	PLN mn
NII	14,924	14,923	0	1	17,909	18,119	-1	-210	13,672	13,272	3	400
F&C	4,951	4,934	0	17	5,052	4,934	2	118	5,178	5,055	2	123
Trading Income	310	292	6	18	195	195	0	0	194	194	0	0
Total Revenue	20,383	20,346	0	37	23,316	23,408	0	-92	19,204	18,681	3	523
Cost	-7,850	-7,729	2	-121	-6,890	-6,792	1	-98	-7,268	-7,121	2	-147
NLLP	-1,564	-1,521	3	-43	-2,079	-2,341	-11	262	-1,507	-1,439	5	-67
One-offs	-5,025	-4,335	16	-690	-5,000	-481	939	-4,519	-3,000	0		-3,000
Pre-tax Profit	6,015	6,854	-12	-839	9,387	13,833	-32	-4,446	7,469	10,161	-26	-2,692
Banking tax	-1,266	-1,281	-1	15	-1,268	-1,314	-3	45	-1,287	-1,330	-3	43
Net Income	3,333	3,995	-17	-662	6,053	9,476	-36	-3,423	4,539	6,595	-31	-2,056
Net Income (adj.)	8,240	9,742	-15	-1,502	10,103	9,866	2	237	6,969	6,595	6	374
NIM ratios (%)	New	Old	%		New	Old	%		New	Old	%	
NIM (%)	3.77	3.78	-0.01		4.43	4.51	-0.08		3.29	3.24	0.05	
Du Pont (%)	New	Old	%		New	Old	%		New	Old	%	
NII/assets	3.51	3.49	0.02		4.11	4.12	0.00		3.06	2.96	0.10	
CoR/assets	-0.37	-0.36	-0.01		-0.48	-0.53	0.05		-0.34	-0.32	-0.02	
F&C/assets	1.16	1.15	0.01		1.16	1.12	0.04		1.16	1.13	0.03	
Other rev/assets	0.14	0.14	0.00		0.09	0.09	0.00		0.09	0.09	0.00	
Costs/assets	-1.85	-1.81	-0.04		-1.58	-1.54	-0.04		-1.63	-1.59	-0.04	
Taxes&other/assets	-1.81	-1.68	-0.13		-1.91	-1.10	-0.81		-1.33	-0.80	-0.53	
ROA	0.78	0.93	-0.15		1.39	2.15	-0.76		1.02	1.47	-0.45	
Leverage (x)	11.6	12.3	-0.7		11.5	12.9	-1.4		10.5	11.6	-1.1	
ROE (reported)	9.1	11.5	-2.4		16.0	27.7	-11.8		10.7	17.1	-6.4	

Source: Company data, Santander Brokerage Poland estimates



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The definition of ratings are indicative. Recommendations may differ from these guidelines when justified due to the market factors, industry trends, company specific event, etc. In such cases, a pertinent clarification for the discrepancy is included in the report.

Target prices set from January to June are for December 31st of the current year. Target prices set from July to December are for December 31st of the following year. Periodicity: our recommendations/ target prices for each issuer are going to be reviewed at least once a year and whenever market events so warrant.

In the Technical Analysis reports (TA reports), Santander Brokerage Poland does not apply direct investment ratings, and all opinions and elements of analysts' assessment are included in a descriptive form in the study itself.

The period of validity of the TA report is a maximum of 30 days, while the publication of a new TA report for a given financial instrument means that the previously published study is no longer valid.

Due to the short time horizon of the Technical Analysis reports, Santander Brokerage Poland is not going to update them on a regular basis.

In preparing this report Santander Brokerage Poland applied at least one of the following valuation methods: discounted cash flows (DCF), comparative, mid-cycle, dividend discount model (DDM), residual income, warranted equity method (WEV), SOTP valuation, liquidation value.

The discounted cash flows (DCF) valuation method is based on expected future discounted cash flows. One advantage of the DCF valuation method is that it takes into account all cash streams reaching Issuer and the cost of money over time. Some disadvantages of the DCF valuation method are that a large number of parameters and assumptions need to be estimated; and the valuation is sensitive to changes in those parameters.

The comparative valuation method is based on the economic rule of "one price". Some advantages of the comparative valuation method are that the analyst need only estimate a small number of parameters; the valuation is based on current market conditions; the relatively large accessibility of indicators for companies being compared; and that there is an extensive knowledge of the comparative method among investors. Some disadvantages of valuation by the comparative method are the considerable sensitivity of the results of the valuation on the choice of companies to the comparative group; the method can lead to a simplification of the picture of the company which in turn can lead to omitting certain important factors (e.g. growth dynamics, extra-operational assets, corporate governance, the repeatability of results, differences in applied accounting standards); and the uncertainty of the effectiveness of a market valuation of companies being compared.

The mid-cycle multiple valuation is based on long-term average valuation multiples of a sector or a peer group. The methodology aims to calculate a fair, through the cycle value of the company. Among its shortfalls is that at peaks and/or troughs of the cycle, the implied fair value may deviate substantially from the market's value of an analysed stock as well as the methods' reliance on the quality of external data (we usually use Bloomberg or Damodaran databases). Simplicity and average through-cycle value allowing to capture over- as well as under-valuation of a given stock are the main advantages of this methodology.

The dividend discount model (DDM) valuation is based on the net present value of the future dividends that are expected to be paid out by the company. Some advantages of the DDM valuation method are that it takes into account real cash flows to equity-owners and that the methodology is used in respect to companies with long dividend payout history. Main disadvantage of the DDM valuation method is that dividend payouts are based on a large number of parameters and assumptions, including dividend payout ratio.

Residual income method is conceptually close to the discounted cash flows method (DCF) for non-financial stocks, the difference being that it is based on expected residual income (returns over COE) rather than expected future cash flows. One advantage of this valuation method is that it captures the excess of profit potentially available to shareholders and the cost of money over time. Main disadvantage of the valuation method is that a large number of parameters and assumptions need to be estimated; and the valuation is sensitive to changes in those parameters.

The warranted equity method (WEV) is based on the formula P/BV = (two year forward ROE less sustainable growth rate)/(Cost of equity less sustainable growth rate) which allows estimating a fair value (FV) of a given stock in two years' time. Subsequently the FV is discounted back to today. The main advantage of the WEV method is that it is a transparent one and based on relatively short term forecasts, hence substantially reducing the margin of forecasting error. The main disadvantage in our view is that the model is based on the principle that stock price should converge towards its fair value implied by company's ROE and COE.

SOTP valuation - different assets of a company are being valued according to different valuation methods, and the sum of these valuations represents the final valuation of the company. SOTP valuation advantages / disadvantages are identical to advantages and disadvantages of the specific valuation methods used.

Liquidation value method - liquidation value is the estimated amount of money that an asset or company could be quickly sold for, such as if it were to go out of business. Then, the estimated assets value is adjusted for liabilities and liquidation expenses. One advantage of this valuation method is its simplicity. This method does not account for intangible assets as goodwill, which is the main disadvantage.

In the opinion of Santander Brokerage Poland, this report has been prepared with all due diligence and excludes any conflict of interests which could influence its content. In Santander Bank Polska there are implemented internal regulations, which are designed to prevent conflicts of interest concerning recommendations. Physical and logic barriers are established, and the principles of documentation adequate to the type of Santander Bank Polska operations are implemented. Additionally, Santander Bank Polska introduced a number of obligations and restrictions relating to the protection of confidential information flow between organizational units.

The date and time on the first page of this report indicates the date of the production of the recommendation, and the dissemination of the recommendation takes place on the same day before the start of the session.

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