

IFRS 9 – Sensitivities of Forward-Looking Information applied on Stage 1 and Stage 2 – Group Level

	December 31, 2023			
	Upward sensitivity		Downward sensitivity	
	Upward shift	ECL impact in € m.	Downward shift	ECL impact in € m.
GDP growth rates	1pp	(80.4)	(1)pp	88.9
Unemployment rates	(0.5)pp	(43.1)	0.5pp	45.9
Real estate prices ²	5%	(5.9)	(5)%	6.2
Equities	10%	(9.0)	(10)%	12.2
Credit spreads	(40)%	(20.5)	40%	22.8
Commodities ¹	10%	(8.5)	(10)%	9.2

¹ Here the sign of the shift applies to oil prices changes. Gold price changes have the opposite sign. 1pp (percentage point), e.g., GDP shifts from 3% to 4% // 1% (percentage change), e.g., Real estate price shifts from 100 to 101.

² For a more severe stress test relating to the CRE portfolio that also takes into consideration existing and potential exposure in stage 3 reference is made to the section on Commercial Real Estate above.

	December 31, 2022			
	Upward sensitivity		Downward sensitivity	
	Upward shift	ECL impact in € m.	Downward shift	ECL impact in € m.
GDP growth rates	1pp	(83.3)	(1)pp	101.4
Unemployment rates	(0.5)pp	(40.8)	0.5pp	58.0
Real estate prices	5%	(5.6)	(5)%	6.0
Equities	10%	(15.8)	(10)%	19.6
Credit spreads	(40)%	(37.9)	40%	42.6
Commodities	10%	(14.8)	(10)%	15.6

At the divisional level, the sensitivity analysis below was performed for the year ended December 31, 2023, and 2022, respectively, and revealed GDP growth rates, credit spreads and commodities prices to be the dominant factors for the Investment Bank, whereas the model sensitivity for the Corporate Bank and Private Bank is mainly associated with changes in GDP growth rates and unemployment rates. The model sensitivity table for the Private Bank shows GDP growth rates and unemployment rates only, as the key MEVs relevant to the underlying portfolios.

IFRS 9 – Sensitivities of Forward-Looking Information applied on Stage 1 and Stage 2 - Corporate Bank

	December 31, 2023			
	Upward sensitivity		Downward sensitivity	
	Upward shift	ECL impact in € m.	Downward shift	ECL impact in € m.
GDP growth rates	1pp	(18.1)	(1)pp	20.7
Unemployment rates	(0.5)pp	(10.4)	0.5pp	11.0
Real estate prices ²	5%	(1.5)	(5)%	1.6
Credit spreads	(40)%	(3.8)	40%	4.4
Commodities ¹	10%	(2.6)	(10)%	2.9

¹ Here the sign of the shift applies to oil prices changes. Gold price changes have the opposite sign.

² For a more severe stress test relating to the CRE portfolio that also takes into consideration existing and potential exposure in Stage 3 reference is made to the section on Commercial Real Estate above.

	December 31, 2022			
	Upward sensitivity		Downward sensitivity	
	Upward shift	ECL impact in € m.	Downward shift	ECL impact in € m.
GDP growth rates	1pp	(21.7)	(1)pp	24.6
Unemployment rates	(0.5)pp	(12.2)	0.5pp	14.0
Real estate prices	5%	(1.1)	(5)%	1.1
Credit spreads	(40)%	(7.5)	40%	9.1
Commodities	10%	(4.3)	(10)%	4.6