

BASEL 3 INTERNAL MODELS FOR CREDIT RISK

In view of compliance with the reforms of the accords of the Basel Committee (“Basel 3”), the Intesa Sanpaolo Group has undertaken adequate project initiatives in order to improve the measurement systems and the related risk management systems. In 2023, the project work began on the preparations for the incorporation of the restructuring of the Basel Committee accords (“Basel 4”).

As regards credit risk, the supervisory regulations provide for two approaches for the calculation of the capital requirement: the Standardised approach and the Internal Rating Based (IRB) approach, in which the risk weightings are a function of the banks' internal assessments of their borrowers. The IRB approach is in turn broken down into a Foundation Internal Rating Based (FIRB) and an Advanced Internal Rating Based (AIRB) that differ in the risk parameters that banks are required to estimate: under the foundation approach, banks use their own PD estimates and regulatory values for the other risk parameters, whereas under the advanced approach these are also estimated internally.

The table below describes the situation as at 31 March 2024.

Portfolio	PD - model type	LGD - model type	EAD - model type	Status
Institutions	Default model (Banks) ⁽¹⁾	Market model (Banks)	Regulatory parameters (Banks)	AIRB authorised since June 2017
	Default model (Municipalities and Provinces) Shadow model (Regions) ⁽¹⁾	Workout model (Municipalities, Provinces, Regions)	Regulatory parameters (Municipalities, Provinces, Regions)	AIRB authorised since June 2017
Corporate	Default model (Corporate)	Workout model (Banking, Leasing and Factoring)	CCF/K factor model (Banking) Regulatory parameters (Leasing and Factoring)	FIRB authorised since December 2008, AIRB LGD authorised since December 2010, EAD authorised since September 2017 ⁽²⁾
	Simulation models (Specialised Lending)	Simulation models/ Workout models (Specialised Lending)	CCF/K factor model (Specialised Lending)	AIRB authorised since June 2012 EAD authorised since October 2023
Retail	Default model (Retail)	Workout model (Retail)	CCF/K factor model (Retail)	IRB Other Retail since September 2018 and IRB Mortgage since December 2010 ⁽³⁾
	Default model (Retail SME)	Workout model (Retail SME)	CCF/K factor model (Retail SME)	IRB PD/LGD authorised since December 2012, EAD authorised since June 2021 ⁽⁴⁾

(1) ISP and Banca IMI (merged by incorporation into the Parent company in 2020) authorised since 2017.

(2) ISP authorised for FIRB since December 2008, for AIRB LGD since December 2010 and for EAD since 2017, Banca IMI (2012, merged by incorporation into the Parent company in 2020), ISP Ireland (2010), VUB (2010), Intesa Sanpaolo Bank (2017), and ISP Luxembourg (2017). Since 2017, the Corporate model has also been used to calculate the risk on the Banking book equity portfolio with LGD 65%/90%.

(3) VUB authorised since June 2012 for PD and LGD of Retail Mortgage models and since December 2022 for PD-LGD-EAD Other Retail models.

(4) VUB authorised since June 2014.

As regards credit risk, the covering, by the use of internal models, of the portfolios of the banks in Italy included in the roll-out plan shared with the Supervisors can be considered to be essentially completed, having achieved a high level of coverage of the portfolios. Therefore, the activities planned for the coming years will be basically aimed at reaching the targets of the IRB regulatory roadmap, which is focused on the updating and re-estimate of the models in order to update the time series periodically, incorporate new regulatory provisions, implement the remedial actions imposed in the authorisations that will be time by time received, and extend the validated models to the Group's other legal entities.

As regards the International Subsidiaries, the commitments planned for the coming years will focus on both the first adoption - roll-out - of the internal models for credit risks for some portfolios for which the Standard approach is currently used, and the updating and re-estimate of the models already authorised by the Supervisory Authority.

Certain exposures, which are the subject of a request for authorisation for the permanent partial use of the standardised approach, are not included in the plan for adopting the advanced approaches. Specifically, these relate to the following: exposures to central governments and central banks; exposures to own banking group; exposures to minor operational units, and non-significant exposure classes in terms of size and level of risk (this category includes loans to Non-Bank Financial Institutions).