

Turin, June 12, 2003













APPLICABILITY OF EXTERNAL RATING MODELS								
Internal ı	r esearch to ``impo model – custome	demon ort" exte 1998 ve ors)	nstrate rnally c rsion-	s that it developed was appli	i s not c d rating i ied to Sa	c orrect: models (npaolo I	e.g,: Altı MI	man
Internal Ratings		Ratings	obtained	using the e	quation est	imated by <i>i</i>	Altman	
directly								(*)
directly estimated	ААА	AA	А	BBB	BB	вс	CCC + D	(*)
directly estimated AAA	AAA 58.33%	AA 4.17%	A 4.17%	BBB 8.33%	BB 8.33%	B 0	CCC + D 4.17%	(*) 8.33%
directly estimated AAA AA	AAA 58.33% 1.38%	AA 4.17% 39.85%	A 4.17% 5.53%	BBB 8.33% 7.55%	BB 8.33% 12.54%	B (4.17% 12.86%	CCC + D 4.17% 9.25%	(*) 8.33% 11.05%
directly estimated AAA AA A	AAA 58.33% 1.38% 0.15%	AA 4.17% 39.85% 3.42%	A 4.17% 5.53% 25.94%	BBB 8.33% 7.55% 6.03%	BB 8.33% 12.54% 12.43%	B (4.17% 12.86% 18.60%	CCC + D 4.17% 9.25% 22.02%	(*) 8.33% 11.05% 11.41%
directly estimated AAA AA A BBB	AAA 58.33% 1.38% 0.15% 0.25%	AA 4.17% 39.85% 3.42% 4.10%	A 4.17% 5.53% 25.94% 1.74%	BBB 8.33% 7.55% 6.03% 2.61%	BB 8.33% 12.54% 12.43% 6.47%	B (4.17% 12.86% 18.60% 15.80%	CCC + D 4.17% 9.25% 22.02% 58.83%	(*) 8.33% 11.05% 11.41% 10.20%
directly estimated AAA AA BBB BB	AAA 58.33% 1.38% 0.15% 0.25% 0.15%	AA 4.17% 39.85% 3.42% 4.10% 0.73%	A 4.17% 5.53% 25.94% 1.74% 1.47%	BBB 8.33% 7.55% 6.03% 2.61%	BB 8.33% 12.54% 12.43% 6.47% 2.35%	B (4.17% 12.86% 18.60% 15.80% 6.16%	CCC + D 4.17% 9.25% 22.02% 58.83% 78.15%	(*) 8.33% 11.05% 11.41% 10.20% 11.00%
directly estimated AAA AA BBB BB BB BB	AAA 58.33% 1.38% 0.15% 0.25% 0.15%	AA 4.17% 39.85% 3.42% 4.10% 0.73% 0.48%	A 4.17% 5.53% 25.94% 1.74% 1.47% 0.48%	BBB 8.33% 7.55% 6.03% 2.61% 0.24%	BB 8.33% 12.54% 12.43% 6.47% 2.35% 0.97%	B 0 4.17% 12.86% 18.60% 15.80% 6.16% 2.42%	CCC + D 4.17% 9.25% 22.02% 58.83% 78.15% 82.32%	(*) 8.33% 11.05% 11.41% 10.20% 11.00% 13.08%

Cases in which it was not possible to obtain ratings using Altman's model (for example ratio with denominator equal to zero)

GRUPPOSANPAOLO IMI

APPLICABILITY OF EXTERNAL RATING MODELS

(...) moreover variables that have proved to be relevant in other contexts may be not meaningful for the Italian market

Internal Ratings	Rat	ings intern	ally estir	mated using	g the variab	les of Altı	man's model	
estimated	ААА	AA	А	BBB	BB	В	CCC + D	(*)
	07.500/							
AAA	87.50%		4.1/%					8.33%
AA	4.46%	81.30%	1.28%	0.85%	0.32%	0.43%	0.32%	11.05%
А	1.16%	18.60%6	50.61%	4.00%	2.54%	1.24%	0.44%	11.41%
BBB	1.24%	24.88%2	29.73%	10.45%	12.69%	9.33%	1.49%	10.20%
BB	0.88%	13.49%	19.50%	8.80%	17.89%	17.30%	11.14%	11.00%
В	0.48%	9.44%	11.86%	10.17%	12.83%	19.61%	22.52%	13.08%
CCC+CC	0.42%	7.53%	8.37%	4.18%	8.79%	16.32%	31.38%	23.01%

Cases in which it was not possible to obtain ratings using Altman's model (for example ratio with denominator equal to zero)

CREDIT RISK MGMT:

- Guidelines
- Organisation
- Credit approval process





GRUPPOSANPAOLO IMI CORPORATE SEGMENT: CREDIT APPROVAL PROCESS	13
With regard to exposures over the Area Manager approval limits the "traditional" credit analysis is integrated by an internal rating analysis; rating is also used for pricing purposes	
INTERNAL RATINGS ARE THEREFORE A CRUCIAL COMPONENT OF THE CREDIT APPROVAL PROCESS, DIRECTLY INVOLVING SENIOR MANAGEMENT AND A LARGE PART OF CORPORATE PORTFOLIO	
For smaller amounts the credit approval and pricing are currently managed on the basis of a managerial risk classification provided by the loan officer (scores are used for central control purposes).	

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COUNTERPART CREDIT RISK ASSESSMENT IN SANPAOLO IMI: STATE OF THE ART				
(++++) Basel II compliant ((++) good, to be upgraded	+++) to be "fi (+) under dev	ne-tuned" for elopment	⁻ Basel II vali	dation
	Model specification	Daily usage (*)	Capital allocation	Control functions
Officially rated ਹ	++++	++++	++++	++++
• Large domestic corporate	++++	++++	++++	++++
Large international corporate	++++	++++	++++	++++
🦉 🔹 Middle market	+++	++	+++	+++
면 · Lower middle market	++	++	+++	+++
Small business	++	+	++	+++

(*) Daily usage: identification of deliberative authorities, risk-adjusted pricing, managerial actions, performance measurement, definition of management incentives.

















CREDIT RISK MGMT:

- Overview
- Sanpaolo IMI choices









- internal rating system
- portfolio model











GRUPPOSANPAOLOIMI 33

QIS 3: OVERALL RESULTS ADVANCED APPROACH IS AN OPPORTUNITY

- In the Standardised Approach the capital requirement for the group as a whole increases by 6,3%. Moving to more advanced (IRB) approaches we have a progressive reduction in minimum regulatory capital: 5.7% and 11.2% respectively in the Foundation and Advanced Approach.
- In other words, if the New Accord was already in place and Sanpaolo IMI internal models were validated by regulators, the capital adequacy ratio would rise from 9.5% to 11.1% (other things being equal).

		Capital requirement (RWA*8%)			
Approach	Total Capital Ratio	Amount	% diff.		
		(Euro Mio)	from Current		
Current	9,5% (*)	11.577			
Standardised	9.0%	12.306	+6,3%		
IRB Foundation	10.3%	10.920	-5,7%		
IRB Advanced	11.1%	10.282	-11,2%		

Moreover the adoption of IRB approaches would increase the competitive distance from "Standardised" banks, strengthening the market position and the competitive advantage of more sophisticated banks.

(*) The group capital adequacy ratio at the end of June 2002 was 10%. The figure in the table is the result of QIS 3 instructions (Following Bank of Italy's indications, Italian banks did not include Tier 3 in regulatory capital).

5 3: RESULTS BY P		MPETITION IN	THE SMES MARK
JI RECOLIC DI I			
apital requirements ur	der the different	Basel II approach	es
eference date 30th June 2	2002)		
	Stand. vs. Current	Found, vs. Current	Advanced vs. Current
	diff %	diff %	diff %
Corporate	-9%	-37%	-42%
Sovereign	-34%	1,995%	1,782%
Bank & PSE (*)	7%	140%	61%
Retail	-18%	-17%	-17%
SME	-10%	-17%	-26%
treated as corporate	+1%	+5%	-13%
treated as retail	-21%	-38%	-38%
Equity	+14%	+238%	+238%
Securitisation	+106%	+104%	+104%
TOTAL banking book	-9%	-15%	-23%
I O I AL Danking DOOK			
memo: Generic Provision			







GRUPPOSANDAOLOIMI 38
Disclaimer:
As in most presentations, the following discussion contains forward looking statments, and our actual results may differ from those discussed here. Additional information concerning factors that could cause such a difference can be found in our annual report and other publicly disclosed financial reports.