

Maggesi S.r.l.

Italian Non-Performing Loans ABS



Scope
Ratings

Ratings

Tranche	Rating	Size (EUR m)	% of Assets (GBV ¹)	% of Notes	Coupon	Final maturity
Class A	BBB _{SF}	170.8	24.5	82.7	6m-Euribor ² + 0.5%	July 2037
Class B	NR	24.4	3.5	11.8	6m-Euribor ² + 6.0%	July 2037
Class J	NR	11.4	1.6	5.5	Variable return	July 2037
Total		206.6	29.6	100		

Scope's Structured Finance Ratings constitute an opinion about the relative credit risks and reflect the expected loss associated with the payments contractually promised by an instrument on a particular payment date or by its legal maturity. See Scope's website for the [SF Rating Definitions](#).

¹ Gross book value (GBV) of the securitised portfolio at closing (EUR 697m)

² 6m-Euribor is capped at i) 0.50% starting from January 2019; ii) 0.75% starting from January 2020; iii) 1.00% starting from January 2022; iv) 1.25% starting from January 2024; v) 1.50% starting from January 2026; vi) 2.00% starting from January 2028; vii) 2.50% starting from January 2030; viii) 3.00% starting from January 2031.

Transaction details

Purpose	Risk transfer
Issuer	Maggesi S.r.l.
Originators	Cassa di Risparmio di Asti S.p.A.; Cassa di Risparmio di Biella e Vercelli - Biverbanca S.p.A.
Servicer	Prelios Credit Servicing S.p.A.
Portfolio cut-off date	31 December 2017
Issuance date	26 July 2018
Payment frequency	Semi-annual (January and July)
Arranger	Mediobanca – Banca di Credito Finanziario S.p.A.

The transaction is a static cash securitisation of an Italian NPL portfolio worth around EUR 697m by gross book value. The pool comprises both secured (43.1%) and unsecured (56.9%) loans; the proportions indicated are based on Scope's adjusted pool balance. The loans were extended to companies (81.1%) and individuals (18.9%) and were originated by Cassa di Risparmio di Asti S.p.A. and Cassa di Risparmio di Biella e Vercelli - Biverbanca S.p.A. Secured loans are backed by residential (46.7% of indexed property valuations) and non-residential (53.3%) properties that are almost exclusively concentrated in northern Italy (98.0%). The issuer acquired the portfolio at the transfer date, 16 July 2018, but is entitled to all portfolio collections received since 31 December 2017 (portfolio cut-off date).

The structure comprises three classes of notes with fully sequential principal amortisation: senior class A, mezzanine class B, and junior class J. The class B interest ranks senior to class A principal at closing but will be subordinated if either the cumulative collection ratio or net present value cumulative profitability ratio falls below 90%. Class J principal and interest are subordinated to the repayment of the senior and mezzanine notes.

Rating rationale (summary)

The rating is mainly driven by the recovery amounts and timing from the NPL portfolio. Recovery and timing assumptions applied in the analysis incorporate Scope's economic outlook for Italy and positive view of the special servicer's capabilities. The rating is supported by the structural protection provided to the notes, the absence of equity leakage provisions, liquidity protection, and an interest rate hedging agreement.

The rating also addresses exposures to the key transaction counterparties: i) Cassa di Risparmio di Asti S.p.A. and Cassa di Risparmio di Biella e Vercelli - Biverbanca S.p.A., regarding representation and warranties as well as being the providers of the limited-recourse loan; ii) Prelios Credit Servicing S.p.A., the servicer; iii) Securitisation Services S.p.A., the back-up servicer facilitator and monitoring agent; iv) KPMG Fides Servizi di

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Related Research

[General Structured Finance Rating Methodology](#)

[Methodology for Counterparty Risk in Structured Finance](#)

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Amministrazione S.p.A., the corporate services provider, computation agent, and noteholders' representative; v) BNP Paribas Securities Services (Milan Branch), the issuer's transaction bank, agent bank, and paying agent; vi) Finanziaria Internazionale Investimenti SGR S.p.A., the cash manager; and vii) Mediobanca - Banca di Credito Finanziario S.p.A., the cap counterparty. In Scope's view, none of these exposures limits the maximum rating achievable by the transaction.

Scope has applied a specific analysis to recoveries and has differentiated between secured and unsecured exposures. For secured exposures, collections were based mostly on the latest property appraisal values which were stressed to account for liquidity and market value risks; recovery timing assumptions were derived using line-by-line asset information detailing the type of legal proceeding, the court issuing the proceeding, and the stage of the proceeding as of the cut-off date. For unsecured exposures, Scope used historical line-by-line market-wide recovery data on defaulted loans between 2000 and 2017 and calibrated recoveries, taking into account that unsecured borrowers were classified as defaulted for an average of 3.9 years as of portfolio cut-off date.

Rating drivers and mitigants

Positive rating drivers

Location. The portfolio is almost exclusively concentrated in northern Italian regions, including the metropolitan areas of Turin and Milan. These regions benefit from the country's most dynamic economic conditions and, in general, the most efficient tribunals.

Portfolio servicing. The fee structure aligns the servicer's incentives with investors' interests. The servicer also has a solid record in NPL portfolios. The monitoring agent will assist the issuer in finding a suitable replacement in the event of a servicer disruption. The servicer has also provided a line-by-line business plan at closing, detailing the expected collections and legal expenses for each loan.

Real estate recovery. Scope expects a gradual recovery of Italian real estate prices, notwithstanding the weak medium-term economic growth potential. The cyclical recovery from the current trough will be driven by moderate private-sector indebtedness and improving property affordability.

Upside rating-change drivers

Legal costs. Scope has factored in the legal expenses for collections as detailed in the servicer's business plan. A decrease in legal expenses could positively affect the rating.

Servicer outperformance regarding recovery timing. Consistent servicer outperformance in terms of recovery timing could positively impact the rating. Portfolio collections will be completed over a weighted average period of 3.5 years according to the servicer's business plan. This is about 27 months faster than the recovery timing vector applied in Scope's analysis. Scope expects recent legal reforms to have a positive impact on court performance and has applied a limited stress on recovery timing assumptions.

Negative rating drivers and mitigants

Large share of unsecured loans with relatively high seasoning. Unsecured loans represent 56.9% of the pool. The weighted average time since default is approximately 3.9 years for the unsecured portion. Most unsecured recoveries are realised in the first years after a default according to historical data.

Large share of loans in bankruptcy or with no proceedings. 53.4% of the portfolio's gross book value corresponds to loans either in bankruptcy or with no ongoing legal proceedings. Compared with non-bankruptcy proceedings, bankruptcies typically result in lower recoveries and take longer to be resolved.

Collateral liquidity risk. The nature of the collateral assets, in Scope's opinion, makes collateral liquidity risk and the associated fire-sale discount assumptions the primary source of portfolio performance stresses.

Collateral appraisal values. NPL collateral appraisals are more uncertain than standard appraisals because repossessed assets are more likely to deteriorate in value.

Downside rating-change drivers

Fragile economic growth. The trajectory of Italy's public debt is of concern given its weak medium-term growth potential of 0.75%, alongside the new government's plans to reverse reforms, raise spending and cut taxes.

Interest rate cap. An interest rate cap spread – with a low strike at 0.30% and an increasing, high strike schedule ranging from 0.50% as of closing to 3.00% in January 2031 – together with a cap on the notes following the high strike schedule partly mitigates the risk of increased liabilities on the notes in the event of a rise in Euribor. Delayed recoveries beyond Scope's stressed recovery timing vector would increase the mismatch between the swap notional and the outstanding principal of the class A and class B notes.

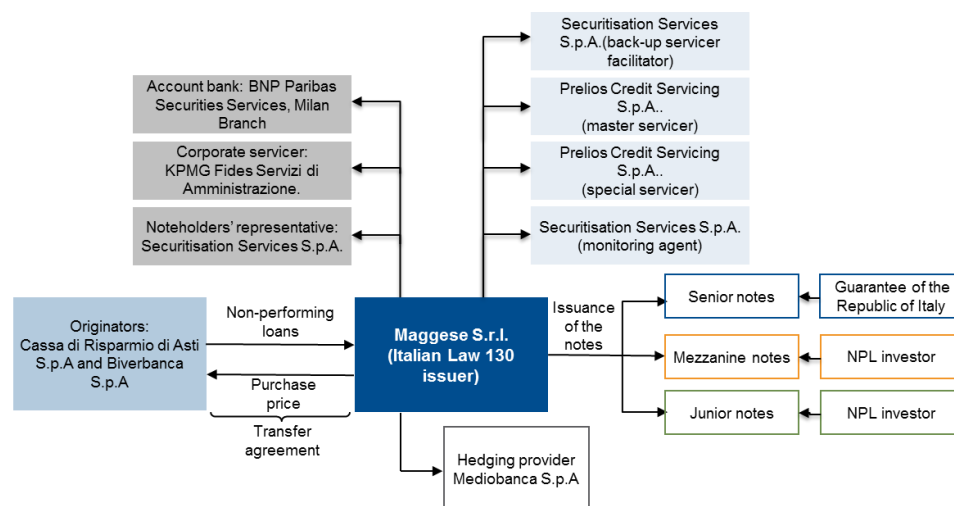
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1. Transaction summary

The transaction structure comprises three tranches of sequential principal-amortising notes, a liquidity reserve equal to 4% of the outstanding class A that amortises from July 2020, and an interest rate cap spread agreement.

Figure 1: Transaction diagram



Sources: Transaction documents and Scope Ratings

Scope has adjusted the pool's gross book value using information on collections and sold properties. Specifically, the analysis has excluded portfolio loans that the agency has assumed to be closed, based on collections already received and cash in court to be received. Collateral connected with these positions has also been removed. Overall, Scope's adjustments have reduced the pool to EUR 674m in gross book value, by deducting the gross book value associated with cash already collected and cash in court (where the latter is assumed to be received with a one-year delay). All stratifications in this report include these adjustments. Figure 2 shows the main characteristics of the preliminary portfolio analysed by Scope.

Figure 2: Key portfolio stratifications

	Unadjusted pool	Scope-adjusted pool		
		All	Secured	Unsecured
Number of loans	5,313	5,288	1,491	3,797
Number of borrowers	1,313	1,313		
Gross book value* (EUR m)	697,182,512	674,273,158	359,203,207	315,069,951
Weighted average seasoning (years)	3.1	3.1	2.4	3.9
Sum of collateral appraisal values (EUR m)			460,832,079	
Borrower type (% of GBV)				
Corporate	80.9%	81.1%	72.9%	90.1%
Individual	19.1%	18.9%	27.1%	9.9%
Primary legal procedure (% of GBV)				
Bankrupt borrower	53.7%	53.4%	44.5%	61.3%
Non-bankrupt borrower	46.3%	46.6%	55.4%	36.8%
Not started or unknown	0.0%	0.0%	0.1%	1.9%
Stage of procedure (% of appraisal values)				
Initial			53.9%	
Court-appointed valuation (CTU)			8.5%	
Auction			26.0%	
Distribution			5.8%	
Collateral location (% of appraisal values)				
North	98.1%		98.0%	
Centre	0.3%		0.3%	
South and islands	1.6%		1.7%	
Borrower concentration (% of GBV)				
Top 10	8.4%	8.6%		
Top 100	30.8%	31.0%		
Property type (% appraisal values)				
Residential	47.7%		46.7%	
Non-residential	52.3%		53.3%	

* The secured gross book value comprises the gross book value of loans secured by mortgages of any type of lien.

Sources: Transaction data tape; calculations and/or assumptions by Scope Ratings

2. Macroeconomic environment

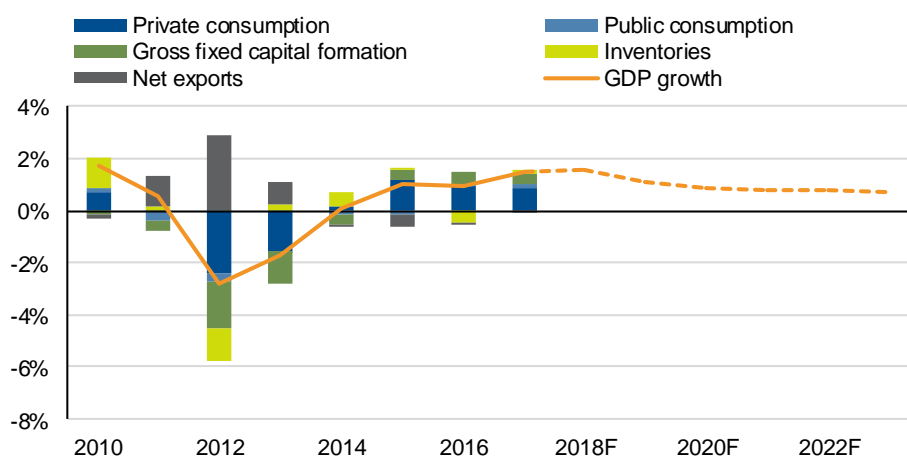
Gradual property price recovery despite economic challenges

Scope's portfolio recovery amount and timing expectations reflect the gradual recovery of real estate prices and progress in delivering structural reforms in Italy, notwithstanding the country's weak medium-term economic growth potential. The cyclical recovery from the current trough will be driven by moderate private-sector indebtedness and improving property affordability.

Large and diversified economy

Scope's sovereign rating on Italy (A-/Negative) is underpinned by a large and diversified economy and a cyclical rebound against the backdrop of long-term economic challenges. The Negative Outlook reflects that Italy's public-debt trajectory is of concern given its weak medium-term growth potential of 0.75% alongside the new government's plans to reverse reforms, raise spending, and cut taxes.

Figure 3: Percentage-point contribution to real GDP growth



Sources: IMF; national statistical accounts; calculations by Scope Ratings

Moderate private-debt levels

The IMF, in its April 2018 World Economic Outlook (WEO), revised Italy's 2018 growth forecast to 1.5% from 1.1% and raised its 2019 expectations to 1.1% from 0.9%. Italy's manufacturing sector – the second largest in the euro area after Germany's – has helped to generate current-account surpluses since 2013 (2.8% of GDP in 2017). Unlike many advanced economies, Italy did not experience a credit-driven boom-bust cycle before the 2008 crisis. Domestic non-financial private debt stands at a comparatively moderate 156% of GDP as of Q3 2017, comparing favourably against euro area peers.

Weak long-term growth prospects

While the cyclical rebound exceeded expectations, long-term growth prospects remain weak. The IMF's medium-term forecast¹ remained at 0.8% in the April 2018 WEO. Italy's production capacity fell in the aftermath of the global financial crisis. As of February 2018, industrial production volumes stood at 81% of early 2008 levels. This comes in contrast to the full recovery in Germany's industrial production post-crisis.

The drop in industrial production capacity reflects the vulnerabilities within Italy's production infrastructure. More than 90% of manufacturing output is generated by micro-firms concentrated in industrial districts. While these firms are competitive in their global niche markets (luxury clothing, household goods, food processing, mechanical products, and motor vehicles), they remain susceptible to market shocks. Their financing capacities are limited and were hit hard during the euro crisis.

¹ Referring to the IMF's April 2018 WEO's forecast for 2023 growth.

Political and banking system challenges

Rating-conditional recovery assumptions

Scope's assumptions reflect significant recovery timing stresses

Valuation haircuts mainly address forward-looking market value and liquidity risks

Unemployment continues to gradually drift downward from its 2014 peak (13% in November) and was 10.9% as of February 2018. Wage growth has picked up 1.0% YoY as of March 2018. However, inflation remains tepid at only 0.5% YoY in April 2018.

At the same time, the political uncertainties following the March 2018 general election as well as ongoing challenges in the banking sector may weigh on the economic rebound. Italian banks' lending to residents rose 1.9% YoY in February 2018, a modest growth after the previous years of contraction.

3. Portfolio analysis

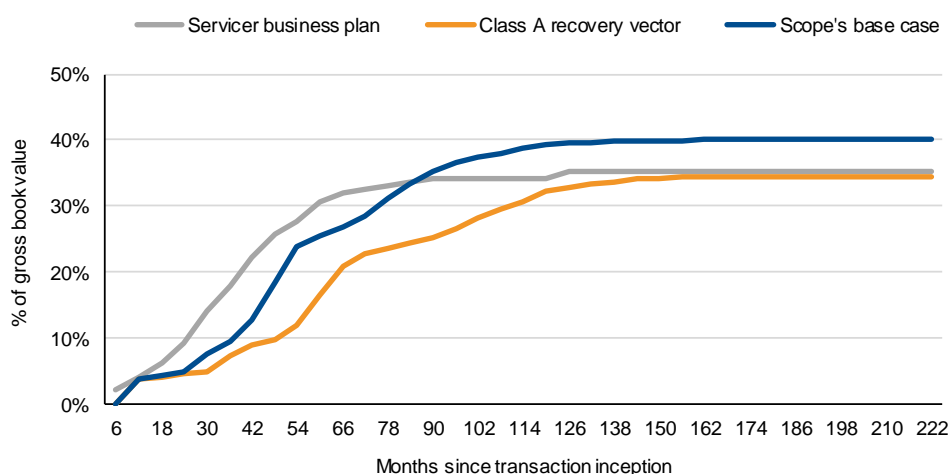
Figure 4 compares Scope's lifetime gross collections and recovery timing assumptions for the entire portfolio against those in the servicer's business plan. Scope has applied rating-conditional recovery rates (i.e. lower recoveries as the instrument's target rating increases). These assumptions result from the blending of secured and unsecured recovery expectations. Scope has applied different analytical frameworks to the secured and unsecured segments to derive recoveries.

Under a base case scenario, Scope expects a gross recovery rate of 39.4% over a weighted average life of 5.1 years. By portfolio segment, Scope expects gross recovery rates of 63.9% and 12.2% for the secured and unsecured portfolios, respectively.

For the analysis of the class A notes, Scope has applied a 14.5% recovery rate haircut and a recovery lag stress of about 12 months. This resulted in a 33.7% gross recovery rate over a weighted average life of 6.1 years. By portfolio segment, Scope has assumed gross recovery rates of 54.9% and 10.1% for the secured and unsecured portfolios, respectively.

The assumptions applied for the analysis of the class A notes reflect a significant stress on cash-flow timing, driven, among other factors, by a slower ramp-up period and tribunal timing stresses. Scope has not applied recovery amount stresses that fall significantly below business plan expectations, mainly due to the agency's credit-positive view on the real estate cyclical recovery.

Figure 4: Business plan's total expected recoveries vs Scope's assumptions



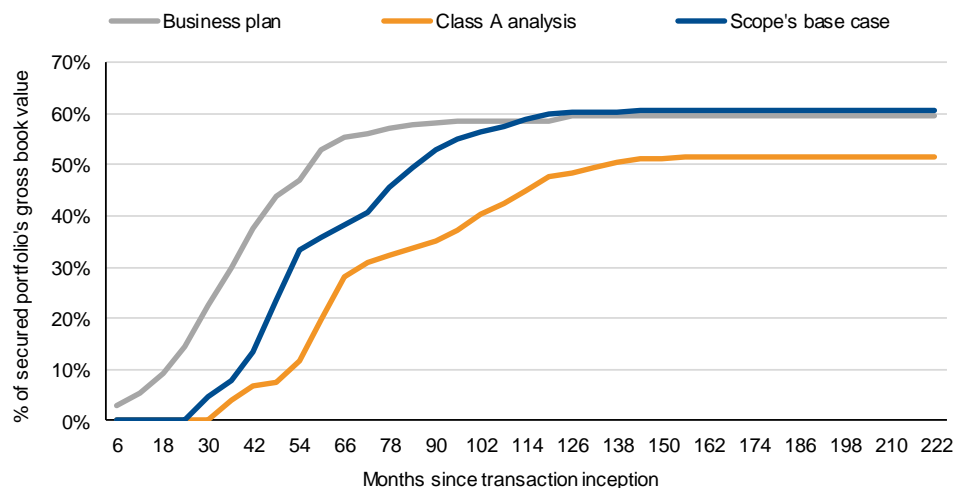
Sources: Special servicer's business plan and Scope Ratings

3.1. Analysis of secured portfolio segment

Figure 5 shows Scope's lifetime gross-collections vectors for the secured portfolio segment compared to those in the servicer's business plan. Scope's analytical approach consists mainly of estimating the security's current value based on property appraisals

and then applying security-value haircuts to capture forward-looking market value and liquidity risks. Recovery timing assumptions are based mainly on the efficiency of the assigned court (based on historical data on the length of the proceedings), the type of legal proceeding, and the stage of the proceeding. Scope's analysis also captures concentration risk, the servicer's business plan, and available workout options.

Figure 5: Secured portfolio expected recoveries in business plan vs Scope's assumptions²



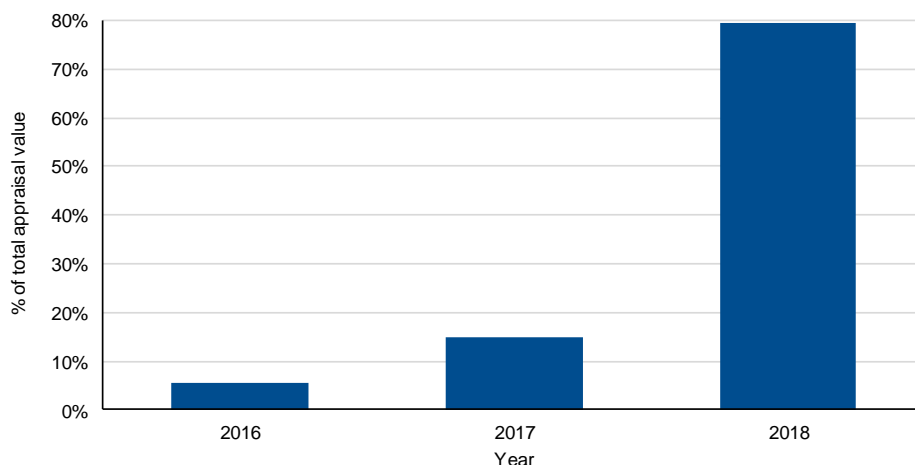
Sources: Special servicer's business plan and Scope Ratings

Positive credit given to the quality of property appraisals

3.1.1. Appraisal analysis

Scope has relied on line-by-line appraisals of the properties' market value. All the valuations are recent, i.e. conducted between 2016 and 2018. Scope has indexed seasoned valuations using a variety of regional price indices. Indexation has a marginal impact on this NPL portfolio because property prices have remained fairly flat since 2016.

Figure 6: Collateral valuation dates



Source: Transaction data tape

Scope views positively that most of the portfolio's collateral appraisals are either drive-by or full valuations (58.4%). Additionally, 18.5% of the portfolio's collateral consists of desktop valuations, while the remainder (23.2%) consists of court and bank appraisals. Rating-conditional haircuts of 5% and 10% were applied to desktop valuations and

² Figure 5 shows the servicer business plan's secured recoveries, which are those of loans classified as secured senior and secured junior. Scope considers a loan to be secured when it involves at least a first-lien mortgage; otherwise such a loan is treated as unsecured.

appraisals, respectively. The haircuts reflect Scope's view of the lower levels of quality and accuracy due to the simplified procedures connected to these valuations.

Figure 7: Portfolio appraisal types and Scope's transaction-specific valuation haircut assumptions

Valuation type	% of collateral value	Class A analysis haircut
Drive-by	58.3	0.0%
Desktop	18.5	5.0%
Other	23.2	10.0%

Sources: Transaction data tape; calculations and/or assumptions by Scope Ratings

Moderate market downturn risk

3.1.2. Property market value assumptions

Figure 8 details Scope's base case assumptions on property price decreases over the transaction's lifetime, and the rating-conditional stresses applied for the analysis of the class A notes. These assumptions are i) specific to the transaction and region; ii) based on an analysis of historical property price volatility; and iii) based on fundamental metrics relating to property affordability, property profitability, private-sector indebtedness, the credit cycle, population dynamics and long-term macroeconomic performance.

Figure 8: Collateral location and Scope's transaction-specific price decrease assumptions in %

Region	North					Centre		South		Islands	
	Milan	Turin	Genoa	Bologna	Others	Rome	Others	Naples	Others	Metropolitan cities	Rest of provinces
Class A analysis	4.6	4.6	5.4	4.6	6.7	8.9	6.7	8.9	11.0	9.7	11.0
Portfolio distribution (%)	8.9	20.6	0.9	0.1	67.5	0.2	0.2	0.0	0.9	0.0	0.7

High NPL collateral liquidity and obsolescence risk

3.1.3. Collateral liquidity risk

At times of severe economic stress during which NPLs typically accumulate, tight financing conditions and/or restricted access to capital markets drive liquidity risk. During recovery and expansionary phases of the cycle, liquidity risk may persist, mainly due to information asymmetries and collateral obsolescence, the latter primarily affecting industrial properties.

Asset illiquidity risk is captured through additional fire-sale haircuts applied to collateral valuations. Figure 9 below shows the rating-conditional haircuts applied for the analysis of the class A notes. These assumptions are based on historical distressed property sales data provided by the servicer and reflect Scope's view that non-residential properties tend to be less liquid, resulting in higher distressed-sale discounts.

Figure 9: Scope's transaction-specific fire-sale discount assumptions

Collateral type	% of collateral value	Class A analysis haircut
Residential	46.7%	25.0%
Non-residential	53.3%	30.0%

Limited borrower concentration risk

3.1.4. Concentration haircuts

Scope has addressed borrower concentration risk by applying to the 10 largest borrowers a 10.0% rating-conditional recovery haircut for the analysis of the class A notes. This

assumption has a minimal impact, given that the largest 10 borrowers account for only 8.6% of the portfolio's gross book value.

Scope addresses potential residual claims after security enforcement

3.1.5. Residual claims after security enforcement

A secured creditor may initiate enforcement actions against a debtor despite the closure of an enforcement action concerning the mortgaged property. Secured creditors generally rank equally with unsecured creditors for amounts that have not been satisfied with the security's enforcement. The creditor's right to recover its claim, whether secured or unsecured, arises with an enforceable title (i.e. a judgment such as an agreement signed before a public notary).

No credit to residual claims from corporate borrowers

For corporate loans, Scope has given no credit to potential further recoveries on residual claims after the security is enforced. This is due to three practical limitations. Firstly, unsecured recoveries tend to be binary with a high probability of zero recoveries and a low probability of 100% recoveries. This implies that in scenarios where secured creditors are not fully satisfied after the security's enforcement, expected recoveries for unsecured creditors will be close to zero³. Secondly, special servicers are generally less incentivised to pursue alternative enforcement actions, given that foreclosure proceedings are more cost-efficient. Lastly, in a bankruptcy proceeding the receiver will decide to close the proceedings after a prudential amount of time, setting a practical limitation for any potential recovery upside.

Partial credit to residual claims from individuals

Scope has given credit to residual claims on 80% of loans to individuals. This is because if the borrower is an individual, the elapsed time after a default might have a positive impact. An individual may, for example, find new sources of income over time and become solvent again.

3.1.6. Tribunal efficiency

Scope has applied line-by-line time-to-recovery assumptions that consider the court in charge of the proceedings, the type of legal proceeding (i.e. bankruptcy or non-bankruptcy), and the current stage of the proceeding.

Northern Italian regions tend to have more efficient tribunals

The total length of the recovery processes is mainly determined by the efficiency of the assigned court and the type of legal proceeding. To reflect this, Scope has grouped Italian courts into seven categories, based on public data regarding the average length of bankruptcy and foreclosure proceedings between 2015 and 2017 (see Figure 10 below). Most courts are concentrated within groups 2 to 4, which are reasonably distributed across all Italian regions. Nevertheless, northern regions tend to have more efficient tribunals on average (see Figures 14 and 15 for transaction-specific details).

Figure 10: Total length of the recovery process by court group in years (Scope's assumptions)

Court group	Bankruptcy proceedings	Non-Bankruptcy proceedings	% of courts (by GBV)
1	4	2	0.6%
2	6	3	65.4%
3	8	4	28.5%
4	10	5	5.1%
5	12	6	0.2%
6	14	7	0.1%
7	18	9	0.0%

³ Conversely, in the unlikely scenario that secured creditors are fully satisfied after the enforcement of the security, expected recoveries for unsecured creditors could be close to 100%.

Unsecured portfolio analysis is based on statistical data

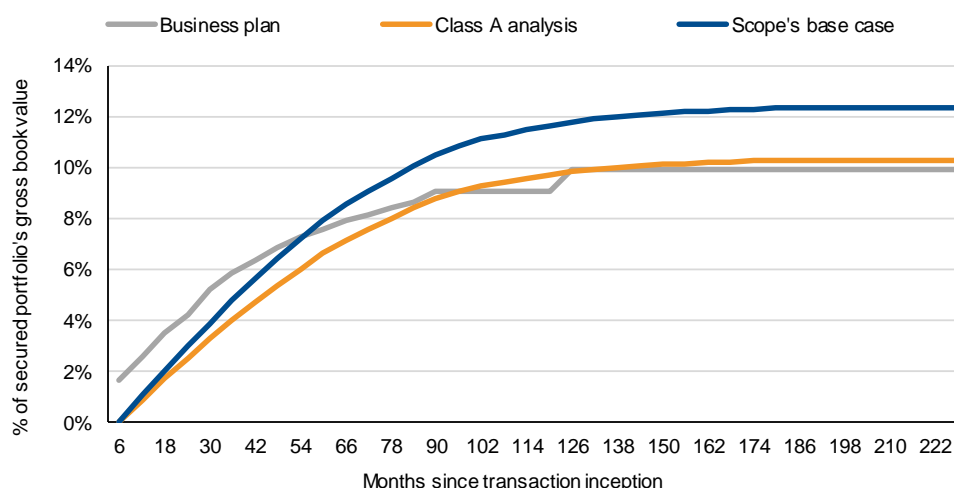
3.2. Analysis of unsecured portfolio segment

Figure 11 shows Scope's lifetime gross-collections vectors for the unsecured portfolio segment compared to those in the servicer's business plan.

Scope's slightly higher base case recovery amount and timing assumptions are based on recovery vintage data on peer transactions' performance. Scope has applied a rating-conditional recovery rate haircut of 16.0% for the analysis of class A notes.

Scope's assumptions for unsecured exposures consider the nature of the recovery procedure because bankruptcy proceedings in general are slower and result in lower recoveries than non-bankruptcy proceedings. The assumptions are calibrated to reflect that unsecured borrowers in the portfolio are classified as defaulted for an average of 5.1 years as of the cut-off date⁴.

Figure 11: Unsecured portfolio expected recoveries in business plan vs Scope assumptions⁵



Sources: Special servicer's business plan and Scope Ratings

4. Portfolio characteristics

Further detail on key portfolio characteristics as of 31 December 2017 is provided below. Percentage figures refer to gross book value, unless otherwise stated.

4.1. Eligible loans

Scope notes that the representations and warranties on receivables provided by the originators are generally aligned with those of peer transactions rated by Scope. The criteria for inclusion in the securitisation portfolio include the following:

- Financings are denominated in euros.
- Financing agreements are governed by Italian law.
- Borrowers are as of the selection date i) individuals residing or domiciled in Italy; and ii) entities incorporated under Italian law with a registered office in Italy.
- Financings secured by mortgages are backed by real estate assets located in Italy.
- Borrowers are not employees, managers or directors of any originator.

Customary eligibility criteria

⁴ Scope used 3.9 years in its analysis, reflecting Scope's qualitative adjustment of the superior capacity of the special servicer to treat unsecured loans compared to an originator.

⁵ Figure 11 shows the servicer business plan's unsecured recoveries, which are those of loans classified as unsecured by the servicer. Scope considers a loan to be unsecured when it is not secured by a first-lien mortgage; otherwise such a loan is treated as secured.

4.2. Detailed stratifications

4.2.1. Borrower type

Share of secured individual borrowers is credit-positive

Corporates and individuals represent 81.1% and 18.9% of the pool, respectively. The share of secured individual borrowers (14.3%) is a positive feature, mainly because Scope gives partial credit to residual claims from individuals after security enforcement, as discussed in the previous section.

High share of unsecured loans is credit-negative

The relatively high amount of unsecured loans (56.9%) is credit-negative. Scope has assumed that recovery proceeds from junior-lien secured loans (9.6%) will be the same as for unsecured loans.

Figure 12: Borrower type

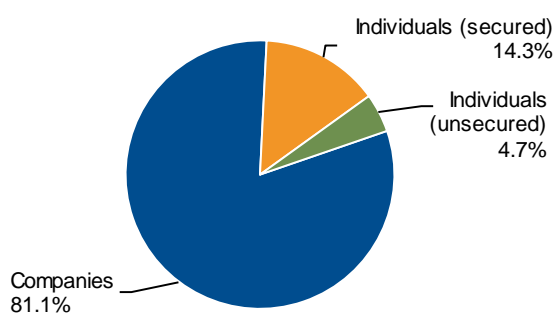
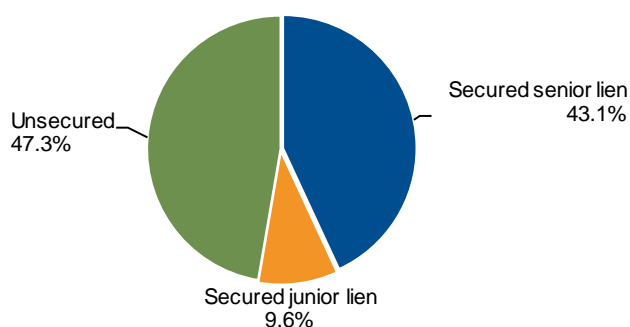


Figure 13: Loan type



Sources: Transaction data tape; calculations by Scope Ratings

4.2.2. Geographical distribution

Geographical concentration in northern Italy is credit-positive

The locations in the portfolio are likely to positively affect the level and timing of recovery proceeds because the collateral and court proceedings are concentrated in northern Italian regions, including the metropolitan areas of Turin and Milan. These regions benefit from the most dynamic economic conditions in Italy, typically reflected by more resilient property values (see Figure 8) and, in general, the most efficient tribunals. The latter is reflected in the transaction's court group distribution, which is skewed towards more efficient groups relative to the national average (compare Figure 10 with Figure 15).

Figure 14: Collateral location

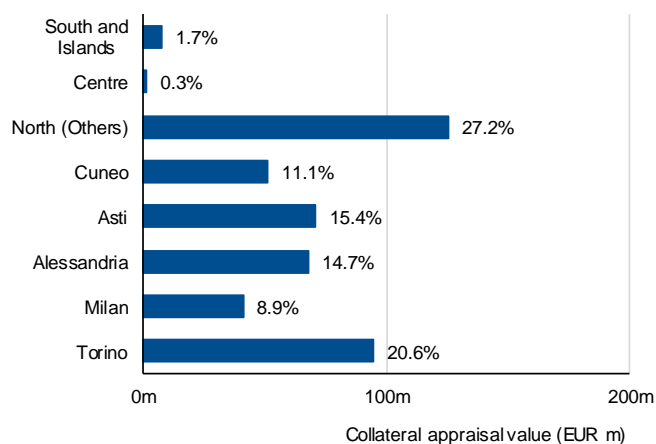
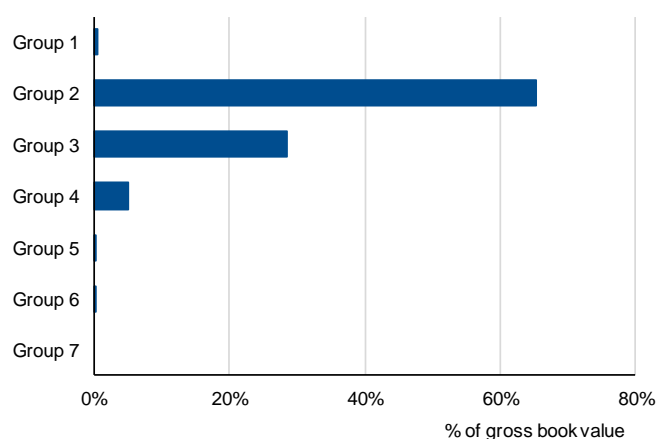


Figure 15: Court group distribution of secured loans for which proceedings have started



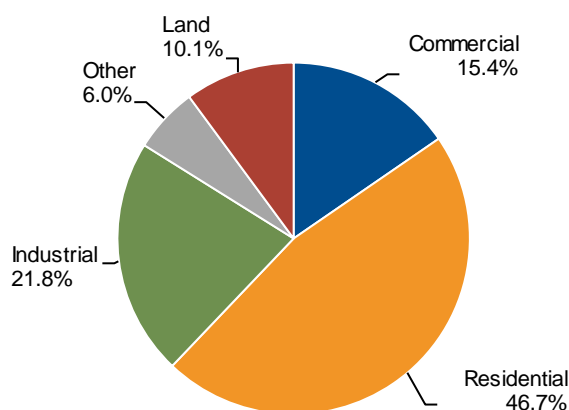
Sources: Transaction data tape; calculations by Scope Ratings

Lower liquidity stresses applied to residential properties

4.2.3. Collateral type

The collateral is composed of residential (46.7%), commercial (15.4%), land (10.1%), industrial (21.8%) and other non-residential assets (6.0%). The relatively large share of residential properties is positive for the transaction given that such assets are more liquid, reflected in Scope's lower fire-sale discount assumptions (see Figure 9).

Figure 16: Distribution by type of collateral



Sources: Transaction data tape; calculations by Scope Ratings

Recovery rate assumptions reflect portfolio's LTV distribution

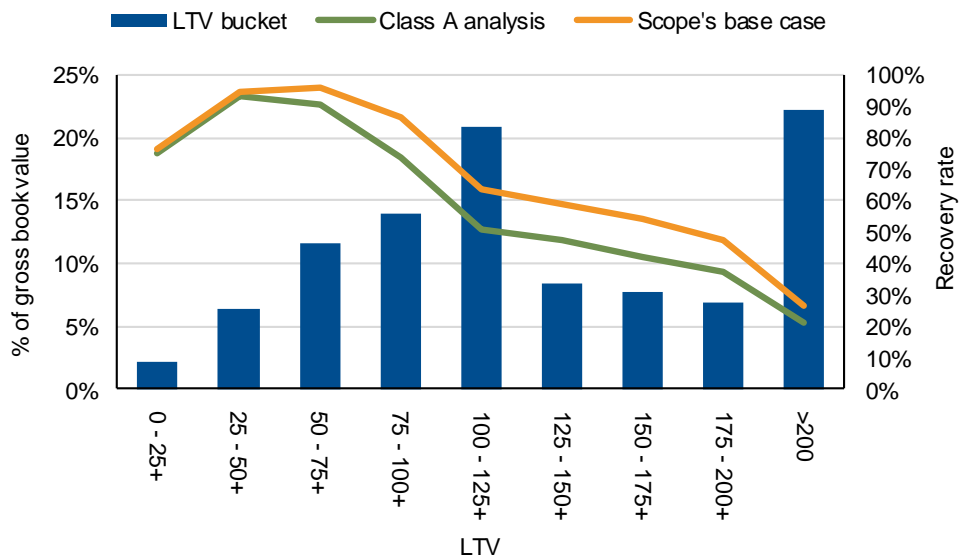
4.2.4. Collateral valuations and Scope's specific recovery rate assumptions

Figure 17 shows the secured loans' distribution by loan-to-value bucket as well as Scope's recovery rate assumptions for each loan-to-value bucket (under Scope's base case and the rating-conditional stresses for the analysis of the class A notes). For secured loans this results in a weighted average recovery rate of i) 63.9% under Scope's base case, and ii) 54.9% under the class A rating-conditional stress.

All else equal (e.g. for two portfolios with equivalent loan-to-value ratios on an aggregated basis), collateral is less beneficial if its value is skewed towards low loan exposures. This is because, on a loan-by-loan basis, recovery proceeds are capped by the minimum of the loan's gross book value and mortgage value. This partly explains why recovery rates flatten at low loan-to-value buckets⁶.

⁶ Another reason is that syndicated loans are concentrated in the low LTV buckets for this portfolio. The reported LTVs of syndicated loans are downward-biased because the loan amount reflects only the syndicated percentage whereas the appraisal reflects the total collateral value.

Figure 17: Secured loans' distribution by LTV and Scope's transaction-specific secured recovery rate assumptions



Sources: Transaction data tape; calculations by Scope Ratings

Ageing of unsecured portfolio reduces expected recoveries

4.2.5. Loan seasoning

The weighted average time since default is around 5.1 years for unsecured exposures⁷. The pool's ageing reduces the expected recoverable amount of unsecured loans significantly, since most recoveries are concentrated in the first years after a default, according to historical vintage data.

Figure 18: Unsecured portfolio seasoning distribution as of cut-off date



Sources: Transaction data tape; calculations by Scope Ratings

4.2.6. Borrower status

Figure 19 below shows the main legal proceedings for each loan (one loan can have several), as assumed by Scope based on the transaction's data tape. About 13% of the

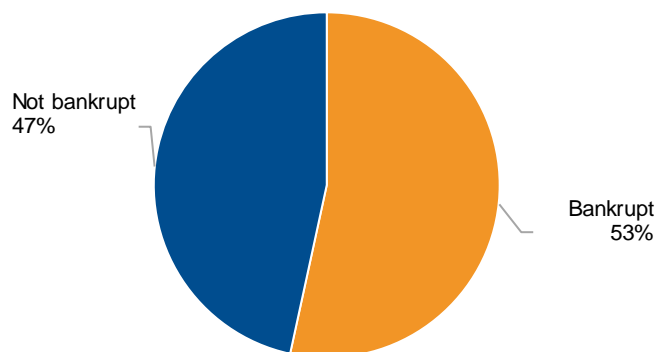
⁷ Scope used 3.9 years in its analysis, reflecting Scope's qualitative adjustment of the superior capacity of the special servicer to treat unsecured loans compared to an originator.

Bankruptcies result in lower recoveries than non-bankruptcy proceedings

loans have either no ongoing legal proceeding or the nature of the proceeding is unknown. Scope has conservatively assumed that such positions will fall into bankruptcy.

Relative to non-bankruptcy processes, bankruptcies are generally more complex, lengthy and costly. Bankruptcies also result in lower expected recoveries for unsecured exposures, given the focus on liquidating assets rather than maintaining borrowers as a going concern.

Figure 19: Borrower status assumptions



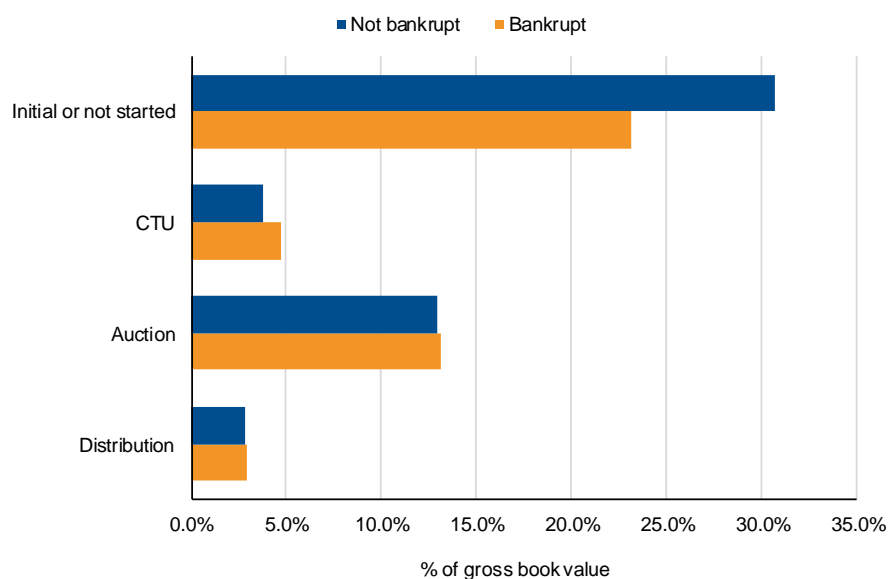
Sources: Transaction data tape; calculations by Scope Ratings

High share of proceedings in initial stages drive relatively long recovery timing assumptions

4.2.7. Recovery stage of secured exposures

A large portion of the secured loans is in initial stages, which partly explains the relatively long expected weighted average life of portfolio collections. Figure 20 below shows the stage of legal proceedings for bankruptcies and non-bankruptcies in relation to secured loans.

Figure 20: Secured recovery stage by borrower status



Sources: Transaction data tape; calculations by Scope Ratings

5. Key structural features

5.1. Combined priority of payments

The issuer's available funds (i.e. collection amounts received from the portfolio, the cash reserve, and payments received under the interest rate cap agreement) will be used in the following simplified order of priority:

1. Servicer fees and other issuer counterparty fees, taxes and transaction expenses (estimated annual ongoing fees of EUR 180,000, excluding servicing fees)
2. Interest on limited-recourse loan
3. GACS premium, provided the GACS guarantee is in place
4. Replenishment of recovery-expense reserve (up to EUR 150,000)
5. Interest on class A notes
6. Any other amounts payable under the GACS guarantee
7. Cash reserve replenishment
8. Principal on limited-recourse loan
9. Interest on class B notes provided no subordination trigger is breached
10. Principal on class A notes
11. Class B interest, if any class B subordination trigger is breached
12. Principal on class B and a portion of deferred servicer performance fees, if any
13. Other junior payments and a portion of deferred servicer performance fees, if any

Full class B interest deferral is unlikely

Class B subordination triggers may be relatively ineffective at protecting the senior noteholders as the subordination event is reversible. If at any point during the transaction's life both triggers are jointly cured, all class B interest amounts due and unpaid at the preceding payment dates will be paid senior to class A principal. The subordination of the class B interest component will be triggered if either i) the cumulative collection ratio⁸ falls below 90%, ii) the net present value cumulative profitability ratio⁹ falls below 90%, or iii) the interest amount paid to class A notes is lower than the due and payable interest amount.

Scope's ratings do not address the GACS guarantee

The GACS guarantee ensures timely payment of interest and the ultimate payment of principal by final maturity. Scope's rating does not give credit to the GACS guarantee, but considers the potential cost (i.e. GACS premium) if the guarantee is added to the structure at a later stage.

Non-timely class A interest payment would trigger accelerated waterfall

Non-payment of timely interest on the senior notes (implying no GACS guarantee), among other customary events such as the issuer's unlawfulness, would accelerate the repayment of class A through the full subordination of class B payments.

5.2. Servicing fee structure and alignment of interests

5.2.1. Servicing fees

The servicing fee structure links the portfolio's performance with the level of fees received by the servicer, which mitigates potential conflicts of interest between the servicer and noteholders. Incentive-based fees constitute most of the expected servicing fees.

Alignment of servicer and noteholder interests

⁸ 'Cumulative collection ratio' is defined as the ratio between i) the cumulative net collections since the cut-off date; and ii) the net expected collections. Net collections are the difference between the gross collections and the recovery expenses.

⁹ 'Net present value cumulative profitability ratio' is defined as the ratio between i) the sum of the present value (calculated using an annual rate of 3.5%) of the net collections of all receivables relating to closed positions, and ii) the sum of the target price (as defined in the servicer's base case scenario in the business plan) of all receivables relating to closed positions. Administrative closure of a debt position is defined as the cancellation of the debt position in the servicer's IT/computer system.

The servicers will be entitled to: i) a base fee, calculated at each payment date on the outstanding portfolio's gross book value; and ii) a performance fee, calculated at each payment date on the period's collections net of legal costs (collectively, the servicing fees).

In the case of underperformance, a portion of the fees will be paid on a junior position in the priority of payments and a haircut applied to the fees. The servicer is therefore incentivised to maximise recoveries and comply with the initial business plan.

- Haircut/increase on servicing fees upon the closure of a position: On the payment date on which a position is closed, servicing fees may increase or decrease by up to 15% depending on the final value of the present value profitability ratio of the closed position.
- Payment subordination of servicing fees: Based on the present value profitability ratio, a portion of the servicing fees may be paid on a more junior position in the order of payments, either together with the class B principal payments or with the junior notes' principal payment.

5.2.2. Servicer monitoring

An overview of the servicer's activities and calculations, prepared by the monitoring agent (Securitisation Services S.p.A.), mitigates operational risks and moral hazard that could negatively impact the interests of noteholders. This risk is further mitigated by a discretionary servicer termination event should the servicer underperform.

Under the servicing agreement, the servicer is responsible for the servicing, administration, and collection of receivables as well as the management of legal proceedings. The monitoring agent will verify the calculations of key performance ratios and amounts payable by the issuer, as well as perform controls based on a random sample of loans.

The monitoring agent will report to a committee that represents the interests of both junior and mezzanine noteholders. The committee can authorise the revocation and replacement of the servicer upon a servicer termination event, subject to the approval of the noteholders' representative. The monitoring agent can also authorise the sale of the receivables, the closure of debt positions, and the payment of additional costs and expenses related to recovery activities.

5.2.3. Servicer termination events

In the event of a servicer termination event, Securitisation Services S.p.A., as back-up servicer facilitator and monitoring agent, will help the issuer find a suitable replacement.

A servicer termination event includes i) insolvency, ii) failure to pay due and available amounts to the issuer within two business days, iii) failure to deliver or late delivery of a semi-annual report, iv) unremedied breach of obligations, v) unremedied breach of representations and warranties, and vi) loss of legal eligibility to perform obligations under the servicing agreement. The servicer can also be substituted owing to consistent underperformance from the sixth collection period.

5.3. Liquidity protection

A cash reserve of 4% of the outstanding balance on class A notes will be funded at closing through a limited-recourse loan provided by Cassa di Risparmio di Asti S.p.A. and Cassa di Risparmio di Biella e Vercelli - Biverbanca S.p.A.

The cash reserve will amortise with no floor from July 2020. The target amount of cash reserve at each payment date will be equal to 4% of the outstanding balance of class A notes.

Monitoring function protects noteholders' interests

No back-up servicer appointed at closing of the transaction

Cash reserve protects liquidity of the senior noteholders

The cash reserve will be available to cover any shortfalls in interest payments on the class A notes as well as any items senior to them in the priority of payments.

Class B will not benefit from liquidity protection.

5.4. Interest rate hedge

On the asset side, due to the non-performing nature of the securitised portfolio, the issuer will not receive regular cash flows and the collections will not be linked to any defined interest rate. On the liability side, the issuer will pay a floating coupon on the notes, defined as six-month Euribor plus a 0.5% fixed margin on class A notes and six-month Euribor plus a 6% fixed margin on class B notes.

An interest rate cap spread, with low and high strikes as shown in Figure 21, and notional cap, as shown in Figure 22, partially mitigate the risk of increased liabilities on the notes due to a rise in Euribor. A cap on the class A and class B Euribor components following the high strike schedule is another layer of protection for the rated instrument against a rising Euribor rate.

A delay in recoveries beyond Scope's stressed recovery timing vector would increase interest rate risk exposure, as it would widen the gap between the transaction's interest rate cap spread notional and the respective outstanding principal of the class A and class B notes, as shown in Figure 22. For the analysis of the class A, Scope has stressed the Euribor forward curve, as shown in Figure 21.

Cap notionals do not fully mitigate interest rate risk under a recovery timing stress

Figure 21: Interest rate cap strikes

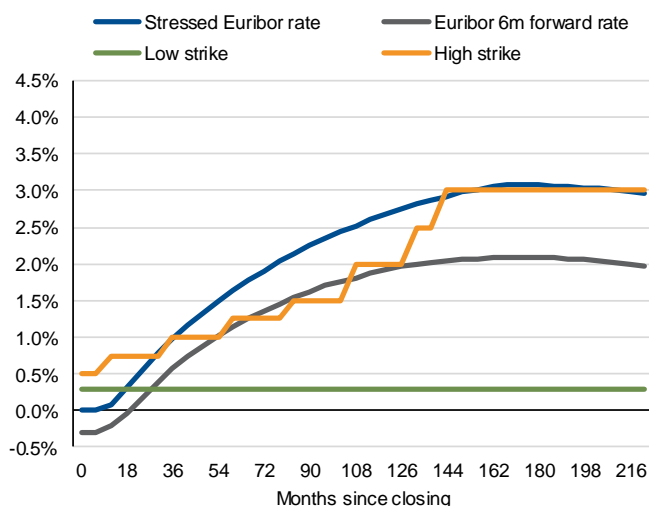
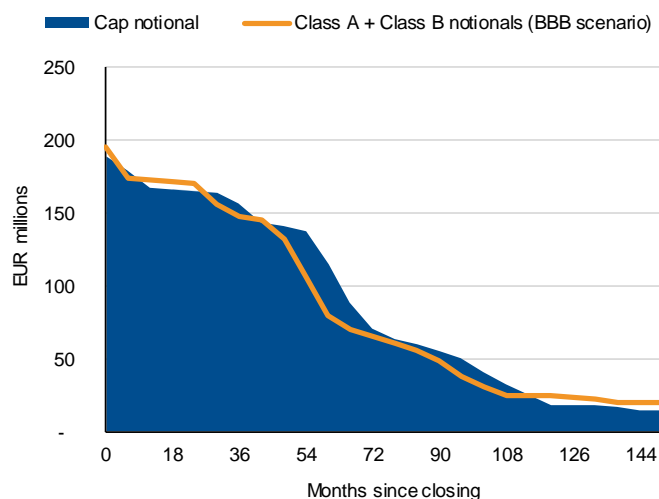


Figure 22: Cap notional vs outstanding principal of class A and B notes



Sources: Transaction documents, Bloomberg and Scope Ratings

6. Cash flow analysis and rating stability

Scope's cash flow analysis considers the structural features of the transaction

Scope has analysed the transaction's specific cash flow characteristics. Asset assumptions have been captured through rating-conditional gross recovery vectors. The analysis captures the capital structure, an estimate of legal costs based on the servicer's business plan, and senior fees of about EUR 180,000 annually (including VAT). Scope has considered the reference rate payable on the notes based on the six-month Euribor forward curve, considering the progressive cap rates of the swaps.

Scope's ratings reflect expected losses over the instrument's weighted average life

The BBB_{SF} rating assigned to the class A notes reflects the expected loss over the instrument's weighted average life commensurate with the idealised expected loss table

reported in Scope's General Structured Finance Ratings Methodology.

Scope has tested the resilience of the rating against deviations from expected recovery rates and recovery timing. This analysis has the sole purpose of illustrating the sensitivity of the rating to input assumptions and is not indicative of expected or likely scenarios. Scope tested the sensitivity of the analysis to deviations from the main input assumptions: recovery rate and recovery timing.

For class A, the following shows how the results change compared to the assigned credit rating in the event of:

- a decrease in secured and unsecured recovery rates by 10%, zero notches.
- an increase in the recovery lag by two years, two notches.

7. Sovereign risk

Sovereign risk does not limit the rating. The risks of an institutional framework meltdown, legal insecurity or currency convertibility problems due to Italy's hypothetical exit from the Eurozone are not material for the notes' rating.

For more insight into Scope's fundamental analysis on the Italian economy, refer to the agency's rating report on the Republic of Italy, dated 8 June 2018.

8. Counterparty risk

The transaction is mainly exposed to counterparty risk from the following counterparties: i) Cassa di Risparmio di Asti S.p.A. and Cassa di Risparmio di Biella e Vercelli - Biverbanca S.p.A., regarding representation and warranties, and eventual payments to be made by the borrowers, as well as being the providers of the limited-recourse loan; ii) Prelios Credit Servicing S.p.A., the servicer; iii) Securitisation Services S.p.A., the back-up servicer facilitator and monitoring agent; iv) KPMG Fides Servizi di Amministrazione S.p.A., the corporate services provider, computation agent, and noteholders' representative; v) BNP Paribas Securities Services (Milan Branch), the issuer's transaction bank, agent bank, and paying agent; vi) Finanziaria Internazionale Investments SGR S.p.A., the cash manager; and vii) Mediobanca - Banca di Credito Finanziario S.p.A., the cap counterparty. In Scope's view, none of these exposures limits the maximum rating achievable by this transaction.

Scope's analysis has incorporated the transaction's counterparty replacement triggers, and has relied on public ratings assigned to BNP Paribas Securities Services (Milan Branch) and Mediobanca - Banca di Credito Finanziario S.p.A.

The issuer will hold all its accounts with BNP Paribas Securities Services (Milan Branch). There is a rating trigger for the replacement of the account bank.

8.1. Servicer disruption risk

A servicer disruption event may have a negative impact on the transaction's performance. The transaction incorporates servicer monitoring and a back-up servicer facilitator that mitigate operational disruption (see section 5.2).

8.2. Commingling risk

Commingling risk is limited, as debtors will be instructed to pay directly to an account in the name of the issuer. In limited cases where the servicer received payments from a debtor, the servicer would transfer the amounts within two business days.

8.3. Claw-back risk

The originators have provided: i) a 'good standing' certificate from the Chamber of Commerce, ii) a solvency certificate signed by a representative duly authorised, and iii) a

No mechanistic cap

Counterparty risk does not limit the transaction's rating

Limited commingling risk

Limited claw-back risk

certificate from the bankruptcy court (tribunale civile – sezione fallimentare) confirming that the originator is not subject to any insolvency or similar proceedings. This mitigates claw-back risk, as the issuer can prove it was unaware of the issuer's insolvency as of the transfer date.

Assignments of receivables made under the Italian Securitisation Law are subject to claw-back in the following events:

i) pursuant to article 67, paragraph 1, of the Italian Bankruptcy Law, if the bankruptcy declaration of the relevant originator is made within six months from the purchase of the relevant portfolio of receivables, provided the receivables' sale price exceeds their value by more than 25% and the issuer cannot demonstrate it was unaware of the originator's insolvency, or

ii) pursuant to article 67, paragraph 2, of the Italian Bankruptcy Law, if the adjudication of the relevant originator's bankruptcy is made within three months from the purchase of the relevant portfolio of receivables, provided the receivables' sale price does not exceed their value by more than 25% and the originator's insolvency receiver can demonstrate that the issuer was aware of the originator's insolvency.

8.4. Enforcement of representations and warranties

The issuer will rely on the representations and warranties, limited by time and amount, provided by the originators in the transfer agreement. If a breach of a representation and/or warranty materially and adversely affects a loan's value, the originators may be obliged to indemnify the issuer for damages within 10 business days of the notification. However, the total indemnity amount will be capped at 20% of the portfolio purchase price and will be only be paid out of claims within two years from the closing date. In addition, the minimum claimable amount is EUR 300,000 on a portfolio basis, and EUR 5,000 on a single loan basis.

9. Legal structure

9.1. Legal framework

The transaction documents are governed by Italian law, whereas English law governs the interest cap agreement and the deed of charge.

The transaction is fully governed by the terms in the documentation and any changes are subject to the risk-takers' consent, with a superior voting right of the most senior noteholders at the date of the decision.

9.2. Use of legal opinions

Scope had access to the legal opinions produced for the issuer, which provide comfort on the legally valid, binding and enforceable nature of the contracts.

10. Monitoring

Scope will monitor this transaction based on performance reports as well as other public information. The rating will be monitored continuously and reviewed at least twice a year, or earlier if warranted by events.

Scope analysts are available to discuss all details of the rating analysis, the risks to which this transaction is exposed, and the ongoing monitoring of the transaction.

11. Applied methodology

For the analysis of the transaction Scope has applied its General Structured Finance Rating Methodology and Methodology for Counterparty Risk in Structured Finance, both available on www.scoperatings.com. On 25 July 2018, Scope published a dedicated methodology to analyse non-performing loans ABS – the proposal is available on

Representations and warranties
limited by time and amount

Transaction governed by
Italian law

Continuous rating monitoring



Maggese S.r.l.
Italian Non-Performing Loans ABS

www.scoperatings.com. Scope does not expect that this proposal, under its current form, shall affect the rating assigned to the class A notes issued by Maggese S.r.l.



Maggesi S.r.l.

Italian Non-Performing Loans ABS

I. Summary appendix – deal comparison

	Maggesi	BCC NPLS 2018	2Worlds	4Mori Sardegna	Aragorn NPL 2018	Red Sea SPV	Siena NPL 2018	Bari NPL 2017	Elrond NPL 2017
Closing	Jul-18	Jul-18	Jun-18	Jun-18	Jun-18	Jun-18	May-18	Dec-17	Jul-17
Originators	C.R. Asti, Biver	ICCREA	BPS, BDB	Banco di Sardegna	Creval	Banco BPM, BPM	MPS	BPB, CRO	Creval
Master servicer	Prelios	Prelios	Cerved	Prelios	Credito		Credito	Prelios	Cerved
Special servicer	Prelios	Prelios	Cerved	Prelios	Cerved, Credito Fondiario	Prelios	Credito Juliet, Italfondario,	Prelios	Cerved
General portfolio attributes									
Gross book value (EUR m)	697	1,009	968	900	1,676	5,113	23,939	345	1,422
Number of borrowers	1,313	2518	3,956	11,412	4,171	12,651	79,669	1,565	3,712
Number of loans	5,313	5359	13,234	20,098	8,289	33,585	545,939	4,569	6,951
WA seasoning (years)	3.1*	2.6*	2.7*	4.8*	2.5	3.8	4.4*	4.5	3.7
WA seasoning (years) - unsecured portfolio	3.9*	2.9*	3.2*	6.4*	3.2	3.5	4.8*	N/A	N/A
WA LTV buckets (% of secured portfolio)									
bucket [0-25]	2.1	4.3	2.8	5.7	2.0	2.3	5.7	N/A	3.6
bucket [25-50]	6.3	6.8	13.0	14.6	4.2	8.1	12.4	N/A	11.1
bucket [50-75]	11.6	12.5	17.9	21.8	8.2	14.7	16.8	N/A	13.7
bucket [75-100]	13.9	15.1	15.8	20.4	13.9	18.1	17.0	N/A	19.6
bucket [100-125]	20.8	11.8	14.5	12.8	22.3	16.7	13.4	N/A	24.6
bucket [125-150]	8.4	7.7	7.5	4.0	17.9	12.0	8.3	N/A	8.6
bucket [150-175]	7.7	6.4	4.9	1.8	11.9	6.6	5.3	N/A	4.8
bucket [175-200]	6.8	6.1	6.6	4.4	3.7	4.8	3.9	N/A	1.6
bucket > 200	22.2	29.3	17.1	14.5	16.0	16.7	17.1	N/A	12.5
Cash in court (% of total GBV)	2.7	24	8.5	18.3	0.5	3.2	N/A	N/A	2
Loan types (% of total GBV)									
Secured first-lien	43.1	70	53.1	56.1	67.3	70.6	41.6	53.6	66.4
Secured junior-lien	9.6	0.9	0	0.6	8.1	1		2.5	7.6
Unsecured	47.3	29.1	46.9	43.3	24.6	28.4	58.4	43.9	26.0
Syndicated loans	1	6.1	3.8	3.3	1.8	1.4	5.7		
Debtors (% of total GBV)									
Individuals	18.9	14.3	26.4	24.4	9.9	28.4	19	12	12.7
Corporates or SMEs	81.1	85.7	73.6	75.6	90.1	71.6	81	88	87.3
Procedure type (% of total GBV)									
Bankrupt	53.4	62.7**	29.3	39.1	55.0	49.4	36.6	46.5	57.6
Non-bankrupt	46.6	37.3	70.7	60.9	45.0	50.6	63.4	53.5	42.4
Other	-	-	-	-	-	-	-	-	-
Borrower concentration (% of total GBV)									
Top 10	8.6	6.7	3.6	8	8.3	1.8	2.1	28.2	13.4
Top 100	31	29	18.1	27.7	39.5	9.1	9.5	69	42.4
Collateral regional concentration (% of total appraisal)									
North	98	72.4	43.5	1.3	58.5	67.8	35.9	18.3	61.6
Centre	0.4	19.5	51.3	11.5	18.4	20.7	36	14.1	14.6
South	1.6	8.1	5.2	87.4	23.1	11.4	28.1	67.6	23.8
Collateral type (% of total appraisal value)									
Residential	46.7	39.3	44.4	51.3	43.4	54.8	28.2	43	32.6
Commercial	15.4	29.5	24.6	23.7	22	15.4	71.8	40	32.4
Industrial	21.8	11.2	10.5	11.3	15.3	9.4			23.2
Land	10.1	13.7	6.6	6.2	0.0	8.6		18	8.7
Other or unknown	6	6.3	13.9	7.6	19.3	11.8			3.4
Valuation type (% of total appraisal value)									
Full or drive-by	58.3	68.4	79.5	38.8	96.1	74.0	10	96.31	70.8
Desktop	18.5	5.4	12.0	40.0	1.2	14.5	65		4.0
CTU	0	12.1	8.5	20.5	2.7	11.5	15	3.69	23.6
Other	23.2	14.1		0.6	0	0	10	0	0.5
Secured portfolio procedure stage (% of total appraisal)									
Initial	60.9	73.6	75.6	61.2	66.6	64.4	52.6	55.5	36.1
CTU	10.3	11	6.3	18.3	23.4	9.1	5.4	14.2	10.7
Auction	27.5	11.5	16.9	20.5	4.7	21.3	35.2	26.5	36.4
Distribution	1.3	3.8	1.2	0	5.5	5.2	6.7	3.8	16.8
Summary of assumptions (BBB rating-conditional stress)									
Remaining lifetime recovery rate (%)									
Secured (=net LTV after all stresses)	54.9	50.3	65.5	66.2	48.3	62.8	58.6	51.8	61.7
Unsecured	10.1	13.5	14	9.9	16.8	12.3	9.2	11.1	13.7
Total	33.7	39.6	41.4	41.8	40.6	48.0	0.0	33.1	47.1
Weighted average life of collections (years)									
Secured	6.4	8.2	6.8	7.2	7.9	6.8	N/A	N/A	4.8
Unsecured	4.6	4.5	4.7	4.2	4.2	4.1	N/A	N/A	3.1
Total	6.1	7.8	6.4	6.9	7.9	6.6	N/A	N/A	4.6
Structural features									
Liquidity reserve (% of class A notes)	4.0	5.0	4.05 (% of A and B)	4.9 (% of A and B)	5.0	4.375 (% of A and B)	3.5	4.0	4.0
Class A Euribor cap strike	0.5%-3.0%	0.5%-2.5%	0.3%-1.25%	0.3%-1.25%	0.0%-0.1%	0.5%-2.0%	0.5%-3.0%	0.10%	0.50%
Class A									
% of GBV	24.5	27.0	28.8	22.2	30.5	32.5	12.1	25.3	33.0
Credit enhancement	75.5	73.0	71.2	77.8	69.5	67.5	87.9	74.7	67.0
Class B									
% of GBV	3.5	3.0	3.0	1.2	4.0	3	3.5	3.1	3.0
Credit enhancement	72.0	70.0	68.2	76.6	65.5	64.5	84.4	71.6	64.0
Final rating									
Class A	BBB	BBB-	BBB	A-	BBB-	BBB	BBB+	BBB	BBB-
Class B	NR	B+	B	BB-	B	NR	NR	B+	B+

* The weighted average seasoning includes Scope's qualitative adjustment of the superior capacity of the special servicer to treat unsecured loans compared to an originator.

** This includes loans with no ongoing legal proceeding or loans where the nature of the proceeding is unknown.

Sources: Transactions' preliminary data tapes; calculations and assumptions by Scope Ratings. Closing portfolio stratifications might show non-material deviations.



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