

Euroclear SA/NV

Consolidated financial statements
at 31 December 2015

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Directors' report

The directors of Euroclear SA/NV are pleased to present their report, together with the audited consolidated financial statements of the company and its subsidiaries (the 'group') for the year ended 31 December 2015.

Group overview and principal activities

The Euroclear group is the world's leading provider of post-trade services. The group provides settlement, safekeeping and servicing of domestic and cross-border securities, with asset classes covered including bonds, equities, derivatives and investment funds. The Euroclear group includes the International Central Securities Depository (ICSD), Euroclear Bank, based in Brussels, as well as the domestic Central Securities Depositories (CSDs) Euroclear Belgium, Euroclear Finland, Euroclear France, Euroclear Nederland, Euroclear Sweden and Euroclear UK & Ireland. Euroclear Bank is the only credit institution in the Euroclear group. Euroclear SA/NV provides system development and support services to the other companies of the group. Euroclear plc is the holding company which owns, directly or indirectly, the entire issued share capital of these companies.

Euroclear SA/NV is headquartered in Brussels and operates three branches in Amsterdam, London and Paris. The group's domestic CSDs are headquartered in their local markets. Euroclear Bank is headquartered in Brussels and operates two branches in Hong Kong and Krakow.

Euroclear Bank's branch in Krakow, Euroclear Bank SA/NV (Spółka Akcyjna) - Oddział w Polsce, officially opened in January 2013. By the end of 2015, it had grown to over 400 employees serving our global client base. The Krakow branch will continue to grow over the coming years, providing a dual-office arrangement with Euroclear Bank's existing operations in Belgium.

With more than 100 employees, Euroclear Bank SA/NV (Hong Kong Branch) is an important contributor to client satisfaction levels in Asia. Through the Hong Kong office, we are able to provide clients with a global service offering, despite the time zone difference with our headquarters in Europe.

DTCC-Euroclear Global Collateral Ltd is a joint venture shared equally between Euroclear SA/NV and the Depository Trust & Clearing Corporation (DTCC), founded in September 2014. Through DTCC-Euroclear Global Collateral Ltd, we will enable the automatic transfer and segregation of collateral based on agreed margin calls relating to over-the-counter (OTC) derivatives and other collateralised contracts.

In June 2015, Euroclear Bank exercised its optional redemption rights on all of its Upper Tier 2 note with Euroclear Finance 2 at base redemption price. At the same time, Euroclear Finance 2 redeemed the outstanding Hybrid Tier 1 instrument issued by Euroclear Finance 2 on the Luxembourg stock market. Subsequently, Euroclear Finance 2 was liquidated in December 2015.

Business review

Our strategy to support the evolving capital markets

Euroclear is committed to supporting its clients in an operating environment that is being shaped by two major trends. First, market authorities and regulators, particularly in Europe, have played an increasingly active role in defining capital markets since the last financial crisis. Secondly, over the medium term, globalisation continues to be a major driver of economic growth.

Our ambition remains to reduce risk and complexity for the market as well as reducing clients' cost and improving operating efficiency. The group continues to invest in regulation-driven initiatives that ensure compliance with the market infrastructure regulatory framework and foster open access.

Clients and other market participants are seeking greater access to liquidity and collateral mobility, and the operational benefits of increased process automation. We continue to invest in developing products and services that fulfil these evolving requirements.

Investing in our European franchise

Europe is becoming a single marketplace as a result of a broad range of regulations that impact every facet of its financial markets and, in particular, through the development of a Capital Markets Union (CMU). The post-trade sector has already taken some important steps towards becoming a single market, with the new CSD Regulation providing a single, pan-European rulebook for the sector, while the launch of the ECB's Target2-Securities platform will provide a single settlement environment for the Eurozone.

The longer-term effects of the many new regulations that have been implemented since 2008 continue to drive the operating environment. The cost of regulatory compliance and the de-leveraging of balance sheets have spurred the quest for further operating efficiencies and cost savings. This, in turn, is driving market participants to consolidate and rationalise market access, and embrace services that help realise latent efficiencies.

At the same time, authorities have been playing a more active role as market participants since the financial crisis. Most notably, the ECB continued to undertake its quantitative easing programme, while moving interest rates beyond their historic low levels and into negative territory.

These unprecedented developments, along with continued historically low interest rates and meagre economic growth in Europe, have proven a further challenge to clients, prompting many to adapt their approach to funding and collateral management activities.

- ***Capital Markets Union***

On 30 September 2015, the European Commission published its Action Plan for the CMU. The plan sets out a wide range of steps that aim to remove barriers between investors and businesses, through better integration of Europe's capital markets. In addition, the Commission began an important review of the cumulative impact of recent legislation.

Although the post-trade environment is not the central focus of the plan, there are potential implications for the sector in two core areas. First, the Commission will gather evidence on the main barriers to the cross-border distribution of investment funds. Secondly, it will take forward

previous work to clarify securities ownership and conflict of law rules. Euroclear fully supports the Commission's plans to efficiently link savings with growth, while enhancing financial stability.

- *CSD regulation*

CSD Regulation (CSDR) not only introduces a complete review and standardisation of regulation that applies to (I)CSDs in the European Union, but also standardises settlement cycles and settlement discipline procedures across Europe.

In 2016, CSDR will be a major focus for the group as the Euroclear (I)CSDs will apply for authorisation under the new regulation. CSDR will also require changes by our clients to comply with record keeping requirements, in particular. The introduction of standardised settlement discipline and buy-in regimes across Europe will occur in mid-2018. Euroclear is well advanced with its CSDR implementation projects and detailed discussions with regulators are underway.

- *TARGET2-Securities*

The launch of the TARGET2-Securities (T2S) platform will significantly alter the European post-trade landscape. In June 2015, the first wave of Eurozone CSDs successfully migrated to T2S.

In October 2015, Euroclear announced that the ESES¹ CSDs required more time than originally provided to ensure a safe and stable migration to the T2S platform. This delay was caused by challenges faced in progressing the ESES CSD's migration to the T2S platform. Since the announcement, the group has worked closely with the ECB and wider CSD community to collectively develop a revised migration schedule.

Under the revised plan, the ESES CSDs will migrate in September 2016, providing the necessary time to safely migrate to the T2S platform and support clients in Belgium, France and the Netherlands throughout this transition. The migration of Euroclear Finland, the remaining CSD in the Euroclear group that will move to T2S, is scheduled for September 2017.

Euroclear is fully committed to the T2S project and has implemented a range of measures to secure its delivery, including additional investment in dedicated resources.

Euroclear has sought to support the readiness of domestic markets, through the provision of documentation and close collaboration with clients. In October 2015, the group began the important step of community testing with ESES clients, with a further testing period scheduled for early 2016.

In the T2S environment, Euroclear will provide the same level of asset servicing across asset classes, regardless of the service access option and the asset location. The group will offer a range of harmonised services across all T2S markets, despite the continuing co-existence of varying market practices.

- *Investing in the Nordics*

As part of Euroclear's investment in the broader European franchise, and in preparation for T2S, we have also been replacing Euroclear Finland's entire securities processing infrastructure with a new settlement system, known as Infinity. Infinity's first launch, comprising its fixed income system, was successfully completed in February 2015, with further developments scheduled for the year ahead.

We are also investing to replace Euroclear Sweden's platform, with an agreement reached to proceed with the Swedish Market Advisory Committee, in a move that will bolster the Swedish financial market's competitiveness. This follows a period of extensive market consultation conducted over the year. The new platform will leverage the investments made in Finland, bringing scale efficiencies to both markets.

In 2015, new chief executive officers were appointed for both Euroclear Finland and Euroclear Sweden to progress the opportunities that exist in these markets in the years ahead.

- *Optimising pan-European liquidity and collateral management*

The investments that we are making in our European franchise are aimed at helping clients to further optimise their liquidity across European markets.

We have already completed a number of investments to increase interoperability between Euroclear Bank and the ESES CSDs. Once the ESES CSDs' migration to T2S has been completed, Euroclear's clients will benefit from access to both global commercial and European central bank liquidity, a unique proposition that will enable clients to improve management of their short-term liquidity requirements.

In addition, €GCPlus, which successfully launched in 2014, enables clients to manage their medium-term funding requirements using standardised baskets of securities, complementing the global collateral management services offered through Euroclear Bank.

Realising opportunities in the global capital markets

As an open financial market infrastructure, Euroclear supports the evolving requirements of participants as they look to benefit from the opportunities created by globalisation and an increasingly interconnected global economy.

- *Global collateral management*

Financial market participants are increasingly demanding collateral that can be mobilised across borders and time zones. With new global regulations in the un-cleared, over-the-counter (OTC) derivative market coming into force in 2016, demand for collateral is poised to accelerate in the years ahead.

A key tenet of our strategy has been to support the financial market's requirement for a neutral, inter-operable utility to source, mobilise and segregate such collateral. This led us to launch the Euroclear Collateral Highway in 2012, the world's first open architecture global infrastructure for collateral management.

¹ Euroclear Settlement for Euronext-zone Securities

The Collateral Highway provides a comprehensive solution for managing collateral, offering clients a complete view of exposures across the full spectrum of asset classes. In addition to more traditional collateral management functions (typically repos, securities lending, derivatives and access to central bank liquidity), our range of collateral management solutions includes dedicated services for corporate treasurers, and a specialised equity financing service. By the end of 2015, average daily collateralised outstandings on the Collateral Highway reached €1,063 billion, up 19.9% on the prior year.

Our joint venture with the Depository Trust & Clearing Corporation (DTCC), DTCC-Euroclear GlobalCollateral Ltd, is connecting two of the largest pools of collateral to provide a truly global, end-to-end collateral management solution. By leveraging our European OTC derivative solutions, we will enable the automatic transfer and segregation of collateral, through DTCC-Euroclear GlobalCollateral, based on agreed margin calls relating to OTC derivatives and other collateralised contracts.

In 2016, we will begin to rollout GlobalCollateral's collateral margin utility, bringing unprecedented operating efficiencies to market participants and improving the stability and soundness of financial markets.

In addition, we took a further step to consolidate our collateral management offering, through our investment in AcadiaSoft, an industry-leading provider of electronic messaging for the OTC derivatives market.

- *International markets*

Across the globe, growth economies are establishing international market infrastructure links to attract foreign investors, to help fund long-term development needs. At the same time, international investors are seeking opportunities to diversify and increase the profitability of their investments around the world, particularly during a period of historically low yields in Europe and North America.

To this end, we made further progress in bringing benefits to domestic capital markets that might otherwise have more limited access to global participants, enabling more efficient capital flows while seeking to provide stability in the domestic markets. Over the course of 2015, a number of banks added 'Euroclear eligibility' as a criteria for inclusion in their emerging market bond indices, further illustrating the strength of our global franchise.

Asia is widely expected to be a driving force of global economic growth in the coming decades. As an open post-trade infrastructure, Euroclear is committed to supporting the growth and stability of the region's financial markets, building on an unwavering presence in Asia for over 25 years. Euroclear was delighted to be recognised as CSD of the Year in The Asian Banker's Financial Market Awards 2015.

During the course of 2015, we established a partnership with the China Construction Bank in support of the offshore Renminbi capital market.

Our increased focus on growing the Asia Pacific franchise was demonstrated by Frédéric Hannequart's relocation to Asia in his continuing roles as Chairman of Euroclear Bank and Euroclear UK & Ireland, and the group's Chief Business Development Officer. The group also established a new position of Head of Government Relations and Strategy for Asia, based in Hong Kong. These moves allow us to further develop the open and collaborative approach that has helped the group become a trusted and relevant partner for many of the world's authorities and market infrastructures.

We made further progress in strengthening our franchise around the world, with continued success in bringing 'Euroclearability' to domestic capital markets. We took an important step by reaching agreement with Indian authorities to provide access to India's government bonds through our platform. We also supported Mexico in the launch of a corporate bonds asset class, Cebures, following the setup of that market's link to Euroclear in late 2014.

- *Global Funds*

Funds are increasingly the means by which investors are choosing to participate in international markets, and a way for issuers to efficiently access a global investor base.

Through its expanding network of funds markets, Euroclear is establishing itself as the place for funds, providing a single entry point for the effective distribution of cross-border, offshore and domestic funds.

In early 2016, we launched Euroclear FundsPlace, our new umbrella brand for our fund solutions. Our range of trade and post-trade services for funds is fully automated, to drive out the cost, risks and complexity associated with the manual processing of fund trades. These services include order routing, account opening, settlement and asset servicing, providing access to a network of over 900 fund administrators.

In Europe, we are now one of the largest providers of fund processing services in Europe, with over 12.7 million orders routed through our platforms in 2015. Our fund services have continued to grow in the Swedish market, following the launch in 2014 of a link from Euroclear Sweden to FundSettleTM. In the UK, we have been supporting clients in achieving compliance with the new Clients Asset Sourcebook regulations for their own client reporting.

In 2015, we further expanded our network outside of Europe, opening an account with Hong Kong's Central Securities Depository, the Central Moneymarkets Unit. This opening coincided with a decision by Hong Kong and China's regulatory bodies to allow eligible Hong Kong-domiciled funds to be sold to retail investors in China. Qualifying Chinese funds will also be available to the retail investor base in Hong Kong. As a result, Euroclear Bank clients will be able to access China-domiciled funds through FundSettle, as well as Hong Kong-domiciled funds.

In addition, working closely with the China Construction Bank, the group supported the launch of the first ever RMB-denominated money market international ETF, listed in London in March 2015. This was followed in June by the first in mainland Europe, listed in Paris.

We also made further progress in supporting existing users of the international ETF structure in 2015. BlackRock, the world's largest provider of ETFs, was the inaugural issuer of international ETFs in 2013. With investors from across European markets benefiting from the simplified issuance structure, BlackRock migrated another 20 ETFs to the international form, in the first ever corporate action of its type.

- *Simplifying the client experience*

Clients around the world expect a user-friendly client experience, and we continue to meet this demand through the growth of our EasyWayTM communication tool. With the launch of new corporate action and settlement functionality in the first quarter, as well as a new more

user-friendly and mobile compatible web interface, client uptake for EasyWay™ increased substantially in 2015. There are now over 300 clients using the service, with users ranging from investment banks to corporate treasury teams.

Launched in 2012, in close collaboration with many of our clients, EasyWay™ allows users to work in real time through dashboards, alerts and intuitive navigation. Over the coming year, we plan to further enhance the settlement and corporate actions dashboards, as well as additional collateral management features through EasyWay™, to create an unparalleled digital client experience.

Key business parameters

Net fee and commission income stems mainly from the provision of settlement, asset servicing and other services.

- Settlement related fee and commission income is a function of the number of international and domestic transactions settled in the Euroclear group and is thus impacted by trading activities and investor confidence in the financial markets.
- Asset servicing related fee and commission income is mainly a function of the value of securities held for Euroclear clients in our (I)CSDs. The value of bonds is based on nominal value, whilst for equities, their market value is taken into consideration.
- Other services include global Collateral Highway services. The global Collateral Highway services generate income in relation to the daily value of collateral provision outstanding, which is impacted by the activity in the repo market as well as by other factors such as the ECB's liquidity programmes, including long-term refinancing operations.

Interest income stems principally from Euroclear Bank's clients' cash balances invested partially in overnight deposits and in money market short term securities and from the investment of Euroclear Bank's capital, together with retained earnings. Interest income is dependent on the evolution of short-term interest rates.

Administrative expenses include staff costs, depreciation and amortisation as well as other operating expenses. Administrative expenses are impacted to a certain level by business volume levels as well as by inflation.

Operating highlights

The Euroclear group delivered robust business performance in 2015 driven by increased activity levels and continued discipline to manage core operating costs, despite regulatory-driven cost pressures.

The value of securities held for Euroclear clients at the end of 2015 reached an all-time high of €27.5 trillion, a 6% increase compared to €26.0 trillion in 2014.

Turnover, or the value of securities transactions settled, rose by 8% to €674.7 trillion in 2015 compared with the €623.3 trillion reported in 2014.

The number of netted transactions settled in the Euroclear group achieved 190.7 million in 2015, a 5% increase compared to 181.6 million in 2014.

Euroclear's global Collateral Highway was a record of average daily outstandings at the end of 2015 of €1068 billion, up by 20 % compared to €887 billion in 2014. The sustained growth in the Euroclear's global collateral management infrastructure throughout 2015 reflects strong needs from market participants to reduce settlement risk and maximise their asset protection, in line with regulatory requirements.

Average overnight cash deposits increased by 23% to €25.3 billion compared to €20.5 billion in 2014, underscoring further client's confidence in Euroclear's strong and stable ratings.

Financial performance highlights

The consolidated results for the year are set out on page 11 of the financial statements.

Net fee and commission income reached €982.8 million in 2015, an increase of 6 % compared with last year, driven by higher business volumes.

Net interest income reached €99.0 million, compared to €90.4 million last year, due to high level of client's balances invested partially in short term securities.

Operating income is composed of net fee and commission income, net interest income and other income and reached €1,134.0 million, an increase of 9 % compared with 2014.

Administrative expenses increased by 6 % to €748.1 million in 2015 resulting from higher activity and investments in growth initiatives while maintaining a constant focus on cost management.

Operating profit before impairment and taxation was €379.4 million, a slight increase of 13 % compared with €337.0 million in 2014, reflecting higher operating income which exceeds the increase of administrative expenses reported end 2015.

Taxation: The effective tax rate amounted to 27%, compared to 22% in 2014. The lower tax rate in 2014 is explained by the partial reversal (€15 million) of the deferred tax asset write off recognised in 2010 for €117 million.

Profit for the year: The profit after tax for the year ended 31 December 2015 reached €275.7 million, compared with a profit of €261.7 million for the year ended 31 December 2014.

Balance sheet: Total assets amounted to €21,882 million on 31 December 2015, down €4,000 million on the previous year. Loans and deposits decreased by 13% and 19% to €17,945 million and €17,828 million, respectively. Total shareholders' equity reached €3,374 million in 2015 compared to €3,160 million in 2014.

Share capital: The total number of issued shares of Euroclear SA/NV remained flat, amounting to 12,014,560 at the end of 2015.

Employee evolution

The average number of persons employed by Euroclear SA/NV during the year was 3,857 compared to 3,679 in 2014.

Post balance sheet events

There are no important post-balance events to report for the company and its subsidiaries.

Information on circumstances that might materially influence the development of the consolidated perimeter

No circumstances occurred that might materially influence the development of the company.

Research and development

The Euroclear group has continued investing in research and development. These investments are linked to the performance and resilience of our systems as well as business developments, which are described in more detail in the 'Business review' section of this report. The group also continued investing in market research in line with its mission to provide increasingly commoditised market infrastructure services.

Euroclear is a founding member of TransConstellation, a non-profit organisation promoting Belgium as a centre of excellence in financial transaction processing. During 2015, a number of Euroclear group employees attended the training modules offered by TransConstellation Academy, a training centre run in collaboration with the Solvay Brussels School of Economics & Management.

Risk management in Euroclear

Risk management framework and governance

Euroclear has always tried to nurture a culture that supports a high standard of business ethics and risk awareness. We base our Enterprise Risk Management framework (ERM) on relevant market and regulatory standards. The ERM framework captures the key risks in the group.

To manage these risks, management develops a Euroclear risk appetite consistent with Euroclear's short- and long term strategy. It ensures the risk appetite is appropriately communicated and monitored in the organisation through limits, processes and controls.

Approved Board policies define the overall framework. The full roll-out of the framework, along a three lines of defence model, gives all stakeholders comfort that risks in delivering settlement and custody services, as well as settlement-related banking activities, are well managed.

A clear governance defines accountability for identifying, monitoring and controlling the risks related to the business. Sufficient measures are in place to ensure the Risk Management, Compliance and Internal Audit Divisions are independent from the business lines they monitor. These functions operate independently from each other but where relevant, do coordinate initiatives to ensure proper coverage whilst minimising overlap.

The first line of defence is the main provider of assurance on the adequacy and effectiveness of the control environment to senior management and Board. The first line of defence provides this assurance through supporting documents and processes, like regular self-assessments, 'positive assurance reports' and 'assurance maps'. The assurance maps are complemented by Risk Management (2nd line of defence) and Internal Audit (3rd line of defence), who each, independently from the first line of defence and from each other, add their opinion and provide their own assurance on the adequacy and effectiveness of the control environment.

This regular reporting by the three lines of defence allows a frequent, effective and comprehensive monitoring of the control environment. It includes and confronts the views of the three lines of defence, where Risk Management plays its role as an independent challenger to the first line of defence and where Internal Audit provides comprehensive assurance based on the highest level of independence and objectivity.

Risks affecting the group

All of our entities face *operational risk* (the risk of loss resulting from inadequate or failed internal processes, people and systems, or from external events). Effective monitoring, appropriate reporting and the maintenance of a database of operational risks containing more than a decade of data enable us to manage operational risk well.

Cyber security is high on the operational risk agenda. Being a market infrastructure, the integrity, confidentiality and availability of our and our clients' data, and the continuous availability of our services, is very important.

Euroclear is designated as critical national infrastructure in seven countries. Therefore as security and resilience is a key aspect of our approach to operational risk we developed and tested comprehensive processes in all entities to ensure the security and continuous availability of business-critical services, including effective management response to incidents and crises. All locations have appropriate security and contingency arrangements for recovery from workplace disruptions, and have three data centres to sustain operations in the event of a local and regional- scale disaster. Disaster recovery response capability is proven through regular switches of activity between the primary data centres. We also regularly exercise and test our operational and management response and provide adequate training at all levels of the organisation.

Financial risks are borne mainly by the ICSD, Euroclear Bank, in its role as single-purpose settlement bank. The CSDs of the group have a very low risk appetite. They offer only securities settlement services in central bank money and do not provide credit to clients. They do not engage in operations with counterparties, except for the investment of their own funds.

As a settlement bank, Euroclear Bank mainly faces collateralised intra-day credit exposures on its clients. In addition, it runs credit risk resulting from the intra-day use of a high-quality correspondent network and from short-term placements, mainly by using reverse repos, of clients' end-of-day cash positions in the market with high-quality counterparties.

Because liquidity is key for the efficient functioning of Euroclear Bank, it has built a strong framework to ensure smooth day-to-day operations and a high level of preparedness to cope with unexpected and important liquidity shocks.

A very low level of market risk (interest rate and foreign exchange rate risks only) arises as a by-product of the investment of Euroclear Bank's capital (interest rate risk) and future earnings (interest rate and foreign exchange rate risks). There is no trading book. A hedging strategy was put in place to mitigate interest rate risk and foreign exchange risk.

Compliance

The group concluded a three-year review cycle that reinforced the group-wide ethical and compliance risk management framework that allows us to adequately identify, monitor and manage the full spectrum of legal and compliance risks. These include, amongst others, fraud, market abuse and money laundering. In addition, a specific focus has been devoted to re-assess our controls linked to economic sanctions taken by authorities. This framework is supported by a major communication effort (e-learning, case-based compliance tests, etc.) that undoubtedly increases the awareness of staff on compliance matters.

Supervision and regulation

The National Bank of Belgium and the Financial Services and Markets Authority are the supervisors of Euroclear Bank. The National Bank of Belgium is the lead regulator of Euroclear SA/NV. In addition, individual CSDs are supervised by their respective local regulator and central bank, which set and monitor, among others, their capital adequacy, liquidity requirements, governance and internal control systems.

Recovery plan

In line with regulatory rules and guidelines, we prepared recovery plans for each of the group entities as well as a plan for the group. These plans are re-approved by the Board of Directors, upon recommendation of the Risk and Audit Committees on a yearly basis. These recovery plans are designed to allow Euroclear entities to recover their financial health in the face of extreme stress scenarios and thereby avoid going into resolution. To that aim, they identify and analyse a number of recovery options that the entity could take in order to restore its capital base, liquidity position or profitability, over a short- to- medium timeframe.

Detailed information on the risks faced by Euroclear, as well as its risk management strategies, policies and processes can be found in Euroclear's yearly Pillar 3 report on www.euroclear.com as well as in Note III to the consolidated financial statements.

Non-statutory audit services

The amount of fees charged to Euroclear SA/NV and its subsidiaries for non-statutory audit services amounted to €724,000, the largest part of it relating to the ISAE 3402 report. Further details of fees for audit and non-audit services are provided in Note X of the financial statements.

Publicity of external mandates

Details of the reportable directorship mandates and managerial functions exercised in companies outside the Euroclear group by the members of the Board and the management of Euroclear SA/NV are posted on Euroclear's website.

Individual and collective Committee member skills

All members of the Audit Committee, the Risk Committee, the Nominations and Governance Committee and the Remuneration Committee are non-executive directors of the Company and at least one member of the Audit Committee and the Nominations and Governance committee is independent within the meaning of Article 526ter of the Belgian Companies Code. The committees have the correct knowledge base and skills among their members and each member has the adequate personal attributes in order for the committee to fulfil its role efficiently.

Audit Committee

In 2015, the Audit Committee (AC) was comprised of seven non-executive directors of the Company. All members of the AC collectively have in-depth knowledge of the financial markets and services and they have an understanding of the company's business, accounting and audit matters. At least one member is competent in accounting and/or audit matters.

Risk Committee

In 2015, the Risk Committee (RC) was comprised of seven non-executive directors of the Company, supported by an advisor. The RC is composed in such a way to assist and advise the Board of Directors in its oversight of the Group's risk management governance structure, risk tolerance, appetite and strategy and key risks as well as the processes for monitoring and mitigating such risks. The members have the skills and experience to be able to understand and oversee such risk strategy, risk appetite and risk tolerance of the Company and the Group.

Nominations and Governance Committee

In 2015, the Nominations and Governance Committee (NGC) was comprised of eight non-executive directors of the Company. The NGC is composed in such a way to be able to properly and independently assist and advise the Board of Directors on all matters in relation to the composition and functioning of the Board and Board Committees of the Company, in particular, on the fit and proper character of their members, on the management succession planning as well as on corporate governance matters.

Remuneration Committee

In 2015, the Remuneration Committee (RemCom) was comprised of eight non-executive directors of the Company. The RemCom is composed in such a way so as to properly and independently assist and advise the Board of Directors on remuneration policies and practices as a whole taking into account the risks and liquidity needs of the Company.

By order of the Board

A handwritten signature in black ink, appearing to read 'Autheman', written in a cursive style.

Marc Antoine Autheman
Chairman of the Board

23 February 2016

Euroclear SA/NV Board and Committees - composition

as at 31 December 2015

	NAME	Euroclear SA Board	Audit Committee	Risk Committee	Remuneration Committee	Nominations & Governance Committee	Management Committee
1	Marc Antoine Autheman (Chairman)	.			• (chair)	•	
2	Eddy Wymeersch (Deputy Chairman)	.			•	•	
3	Michel Berthezène Caisse des Dépôts et Consignations	.			•	•	
4	Inge Boets	.	• (chair)				
5	Cian Burke HSBC	.	•				
6	Patrick Colle BNP Paribas Securities Services	.	•				
7	Stephen Davies Bank of America Merrill Lynch	.	•				
8	John Devine	.	•				
9	Mark S. Garvin JP Morgan plc	.			•	• (chair)	
10	Isabelle Hennebelle Goldman Sachs	.		•			
11	Toru Horie Mizuho Trust & Banking S.A.	.	•				
12	Tom Isaac Citigroup	.		•			
13	Masashi Kurabe Mitsubishi UFJ Global Custody	.			•	•	
14	Francis La Salla Bank of New York Mellon	.			•	•	
15	Xiaochi Liu Kuri Atyak Investment Ltd.	.			•	•	
16	Francois Marion CACEIS	.	•				
17	Neil Martin Credit Suisse	.		•			
18	Nils-Fredrik Nyblaeus SEB AB	.		• (chair)			
19	Franco Passacantando	.		•			
20	Bruno Prigent Société Générale	.		•			
21	Satvinder Singh Deutsche Bank	.		•			
22	Clare Woodman Morgan Stanley EMEA	.			•	•	
23	Tim Howell Executive Director CEO Euroclear SA	.					• (chair)
24	Frédéric Hannequart Executive Director	.					•
25	Lieve Mostrey Executive Director	.					•
	Bernard Frenay						•
	Yves Poullet						•
	Valérie Urbain						•
	Jo Van de Velde						•
	Luc Vantomme						•
	ADVISOR						
	M. Andrew Threadgold			•			

Euroclear SA/NV Market Advisory Committees - composition

as at 31 December 2015

Surname	Name	Representing	Belgium	The Netherlands	France	ESES	Finland	Ireland	Sweden	United Kingdom	X-MAC
Addenbrooke	Chris	Capita Financial Group								*	
Ahola	Maarit	Svenska Handelsbanken AB Finland					*				
Attia	Anthony	Euronext			*						
Barber	Richard	Citibank International plc	*		*					*	
Barrett	Richard	International Financial Data Services (UK) Ltd								*	
Berndsen	Ron	De Nederlandsche Bank NV	*		*						
Bongers	Pieter	Rabobank Nederland	*		*						
Börjesson	Björn	Independent member Euroclear Finland/Sweden Board							Obs.		
Bränfelt	Sofia	Swedbank AB							*		
Brink	Henk	KAS Bank N.V.	*		*						
Bruggeman	Henk	DACSI	Obs.								
Castelanelli	Philippe	HSBC			*	*				*	
Cattelin	Marc	Natixis			*	*				*	
Chatterton	Simon	Barclays								*	
Cronin	Daragh	Central Bank of Ireland						*			
Davies	Toby	Bank of England								*	
de Fournoux	Emmanuel	AMAFI			*						
de Leusse	Guy	Entreprises d'Investissement			*						
de Nexon	Eric	Société Générale			*	*					
De Nul	Kris	KBC NV	*		*	*					
De Wit	Dominique	Groupe Crédit Agricole SA			*	*					
Decker	Adrien	Crédit Mutuel/CIC			*	*					
Dijmarescu	Diana	JPMorgan Chase & Co									*
Doyle	Eamonn	Davy Stockbrokers						*			
Dwyer	Stephen	Goodbody						*			
Edwards	Paul	Bank of New York Mellon								*	
Eyssautier	Jean-Marc	CACEIS			*	*					*
Fageräng	Magnus	Handelsbanken Capital Markets							*		
Farrell	Albert	Bastow Charlton									
Farrell	Mary	Central Bank and Financial Services Authority of Ireland						*			
Fleming	Peter	Skandia								*	
Fors	Göran	Skandinaviska Enskilda Banken AB							(P)		*
Grima	Jean-Philippe	Crédit Mutuel/CIC Titres				*					
Guillaumin	Valérie	ICMA			Obs.						
Gulikers	Michel	BNP Paribas Fortis	*		*						
Halligan	Donald	Capita Registrars (Ireland) Limited									
Healy	Brian	Irish Stock Exchange							(P)		*
Hellstöm	Eva	Sveriges Riksbank							*		
Hemelaar	Bas	ABN AMRO Clearing Bank NV	*		*	*					
Hemon	Christophe	LCH.Clearnet SA			*	*					
Hermansson	Kerstin	Swedish Securities Dealers Association							*		
Hervo	Frédéric	Banque de France			*	*					
Hill	Simon	TD Waterhouse									
Humphery	Marye	Upper Woolwich								(P)	*
Jousimies	Panu	Evli Bank plc					*				
Koponen	Risto	Bank of Finland					*				
Kukko	Heikki	Nordnet AB					*				
Mairesse	Anne	LCH Clearnet SA	*								
Majuri	Tuomas	Finnish Federation of Financial Services					*				
McPolin	Michael	JP Morgan							*	*	
Mjörud	Ola	Citibank International plc							*		
Molony	Joe	Computershare						*			
Morecroft	Mike	Henderson Global								*	
Morleghem	Yves	Belfius Bank	*								
Murray	Darren	Investec						*			
Nyman	Hannu	Affecto Oyj					*				
Nyrhilä	Päivi	Danske Bank					*				
Ozinga	Richard	Deutsche Bank	*		*	*					
Phillips	Jason	UK Debt Management Office								*	
Pochet	Alain	BNP Paribas			(P)	(PT)					(P)
Price	Judy	Investec Wealth							*	*	
Quinn	Liam	National Treasury Management Agency						*			
Råstedt	Mats	Nordea Pankki Oy					(P)				*
Roegiers	Damien	Euronext	*								
Roncin	Marcel	AFTI			*						
Rousseau	Jean-Paul	Febelfin - Representative MEC	(P)		(PT)						*
Sairio	Jopi	Skandinaviska Enskilda Banken AB					*				
Sakki	Kirsi	Pohjola Bank plc					*				*
Schricke	Christian	ANSA					*				
Shuttlewood	Graham	The Royal Bank of Scotland						*			
Timmermans	Yvan	National Bank of Belgium	*		*						
Tricou	Jean	Fédération Bancaire Française			*	*					
Trost	David	Northern Trust Limited						*			
van Knorring	Anna	State Treasury					*				
Verhoyen	Els	ING Belgium	*								
Viou	Jean-François	AFSF			*						
Vonk	Antoine	Representative ING securities services	(P)		(PT)						*
Waesterberg	Fredrik	Nordea AB						*			
Wernhall	Karin	Swedish National Debt Office						*			
Winder	Justin	Morgan Stanley								*	
Whelan	John	Merrill Lynch								*	

(C) : Chairman (RC) : Rotating Chairman

Consolidated income statement

For the year ended 31 December 2015

(€'000)	Notes	2015	2014
Interest income	VI	124,758	112,253
Interest expense	VI	(25,798)	(21,856)
Net interest income		98,960	90,397
Fee and commission income	VII	1,367,816	1,280,205
Fee and commission expense	VII	(385,054)	(356,740)
Net fee and commission income		982,762	923,465
Net interest and fee income		1,081,722	1,013,862
Dividend income		4,743	218
Realised gains/(losses) on investment securities	VIII	20	606
Net gains/(losses) on financial assets and liabilities held for trading	IX	25,871	12,988
Net gains/(losses) on foreign exchange		6,305	1,210
Other operating income		15,346	11,453
Operating income		1,134,007	1,040,337
Administrative expenses	X	(748,058)	(702,813)
Share of the profit/(loss) of investments accounted for using equity method	I	(6,520)	(521)
Operating profit/(loss) before impairment and taxation		379,429	337,003
Impairment	XI	(757)	(686)
Operating profit/(loss) before taxation		378,672	336,317
Taxation	XII, XIII	(103,018)	(74,656)
Profit/(loss) for the year		275,654	261,661

For the list of companies in the group, see Note I.

The accompanying Notes form an integral part of these financial statements.

Consolidated statement of comprehensive income

For the year ended 31 December 2015

(€'000)	Notes	2015			2014		
		Gross	Tax	Net	Gross	Tax	Net
Changes in other comprehensive income							
Available-for-sale financial assets	XIV, XXIII	115,199	(560)	114,639	42,771	229	43,000
Cash flow hedges	XVI, XXIII	1,963	(667)	1,296	(823)	280	(543)
Foreign currency translation reserve	XXIII	11,025	-	11,025	(6,281)	-	(6,281)
Recyclable subsequently to profit/(loss)		128,187	(1,227)	126,960	35,667	509	36,176
Defined benefit plans	XX	34,229	(10,617)	23,612	(28,545)	8,960	(19,585)
Not recyclable to profit/(loss)		34,229	(10,617)	23,612	(28,545)	8,960	(19,585)
Other comprehensive income for the year		162,416	(11,844)	150,572	7,122	9,469	16,591
Profit/(loss) for the year		378,672	(103,018)	275,654	336,317	(74,656)	261,661
Total comprehensive income for the year		541,088	(114,862)	426,226	343,439	(65,187)	278,252

The accompanying Notes form an integral part of these financial statements.

Consolidated statement of changes in equity

For the year ended 31 December 2015

(€'000)	Notes	Called up	Share	Other	Retained	Total
		share	premium	reserves	earnings	equity
		capital	account			
At 1 January 2015		839,601	1,623,628	152,221	544,802	3,160,252
Changes in other comprehensive income for 2015						
- Available-for-sale financial assets	XXIII	-	-	114,639	-	114,639
- Cash flow hedges	XXIII	-	-	1,296	-	1,296
- Foreign currency translation reserve	XXIII	-	-	11,025	-	11,025
- Defined benefit plans		-	-	-	23,612	23,612
Transfer to legal reserve	XXIII	-	-	11,832	(11,832)	-
Profit/(loss) for the year		-	-	-	275,654	275,654
Dividends paid	XXIV	-	-	-	(212,180)	(212,180)
Liquidation of minority interest		-	-	-	(1)	(1)
At 31 December 2015		839,601	1,623,628	291,013	620,055	3,374,297
At 1 January 2014		839,601	1,623,628	101,987	567,890	3,133,106
Changes in Other comprehensive income for 2014						
- Available-for-sale financial assets	XXIII	-	-	43,000	-	43,000
- Cash flow hedges	XXIII	-	-	(543)	-	(543)
- Foreign currency translation reserve	XXIII	-	-	(6,281)	-	(6,281)
- Defined benefit plans		-	-	-	(19,585)	(19,585)
Transfer to legal reserve	XXIII	-	-	14,058	(14,058)	-
Profit/(loss) for the year		-	-	-	261,661	261,661
Dividends paid	XXIV	-	-	-	(251,106)	(251,106)
At 31 December 2014		839,601	1,623,628	152,221	544,802	3,160,252

The accompanying Notes form an integral part of these financial statements.

Consolidated statement of financial position

As at 31 December 2015

(€'000)	Notes	2015	2014
Assets			
Cash and balances with central banks	III	3,399,246	2,413,810
Loans and advances	III	14,545,568	18,230,004
Available-for-sale financial assets	XIV	2,440,860	3,750,926
Financial assets held for trading	XV	6,897	6,834
Derivatives used for hedging	XVI	1,538	-
Current income tax assets		13,679	16,952
Other assets		125,542	151,232
Pre-payments and accrued income		129,568	126,737
Pension asset	XX	533	433
Deferred income tax assets	XIII	131,793	136,506
Property, plant and equipment	XVII	101,609	101,065
Goodwill and intangible assets	XVIII	976,264	934,433
Investments in subsidiaries and joint ventures	I	8,857	13,892
Total assets		21,881,954	25,882,824
Liabilities			
Deposits from central banks	III	1,193,267	2,242,662
Deposits from banks and customers	III	16,635,106	19,727,871
Financial liabilities held for trading	XV	4,533	6,723
Derivatives used for hedging	XVI	-	425
Other liabilities		290,696	251,585
Accruals and deferred income		214,873	215,208
Current income tax liabilities		72,650	62,720
Deferred income tax liabilities	XIII	3,760	1,830
Provisions for liabilities and charges	XIX	13,183	16,288
Subordinated liabilities	XXI	-	100,282
Pension deficit	XX	79,589	96,978
Total liabilities		18,507,657	22,722,572
Shareholders' equity			
Called up share capital	XXII	839,601	839,601
Share premium account		1,623,628	1,623,628
Other reserves	XXIII	291,013	152,221
Retained earnings		620,055	544,802
Total shareholders' equity		3,374,297	3,160,252
Total liabilities and shareholders' equity		21,881,954	25,882,824

The accompanying Notes form an integral part of these financial statements.

These financial statements were authorised for issue by the Board of Directors on 23 February 2016 and signed on its behalf by



Marc Antoine Autheman, Chairman of the Board

Consolidated statement of cash flows

For the year ended 31 December 2015

(€'000)	Notes	2015	2014
Profit/(loss) before taxation		378,672	336,317
Adjustments for:			
- Depreciation and amortisation	XVII, XVIII	27,987	24,730
- Impairment	XI	757	686
- Interest on cash and balances with central banks and loans and advances	VI	(128,952)	(110,621)
- Interest on deposits from central banks and banks and customers	VI	21,971	15,914
- Interest on subordinated loan added back	VI	1,878	4,155
- Dividends received		(4,743)	(218)
- (Gains)/losses on disposal of property, plant and equipment		(159)	-
- Provisions for liabilities and charges	X	(1,396)	1,577
- Share of the (profit)/loss of investments accounted for using equity method	I	6,520	521
Other non-cash movements		120,487	13,620
of which effect of exchange rate changes		81,119	10,649
- Interest received on cash and balances with central banks and loans and advances		126,317	108,868
- Interest paid on deposits from central banks and banks and customers		(21,964)	(15,859)
Cash flows from operating profit/loss before changes in operating assets/liabilities		527,375	379,690
Net increase/(decrease) in deposits from banks and customers		(5,489,185)	4,856,426
Net (increase)/decrease in monetary reserve	III	308	(262)
Net (increase)/decrease in loans and advances	III	(305,509)	(953,041)
Net (increase)/decrease in other assets		24,911	(23,586)
Net increase/(decrease) in other liabilities		39,111	(214,487)
Net cash inflow/(outflow) from operating activities		(5,202,989)	4,044,740
Tax paid		(93,097)	(83,574)
Net cash from operating activities		(5,296,086)	3,961,166
Cash flows from investing activities			
Liquidation of minority interest		(1)	-
Investment in subsidiaries and joint ventures	I	-	(14,099)
Purchase of available-for-sale financial assets	XIV	(11,465,752)	(3,689,340)
Proceeds from redemption and disposals of available-for-sale financial assets	XIV	12,860,132	1,470,000
Purchase of property, plant and equipment	XVII	(22,676)	(18,515)
Purchase of intangible assets	XVIII	(42,201)	(20,656)
Sale of property, plant and equipment		160	-
Dividends received		4,743	218
Reimbursement of loans to related party	XXVIII	2,000	-
Net cash from/(used in) investing activities		1,336,405	(2,272,392)
Cash flows from financing activities			
Interest paid on subordinated liabilities		(4,155)	(4,155)
Proceeds from redemption of subordinated liabilities	XXI	(98,100)	-
Equity dividends paid	XXIV	(212,180)	(251,106)
Net cash from/(used in) financing activities		(314,435)	(255,261)
Net increase/(decrease) in cash and cash equivalents		(4,274,116)	1,433,513
Cash and cash equivalents at beginning of year		18,222,232	15,932,271
Effects of exchange rate changes on cash and cash equivalents		1,131,301	856,448
Cash and cash equivalents at end of year		15,079,417	18,222,232
Cash and cash equivalents at end of year comprise:			
Cash and balances with central banks	III	3,399,246	2,413,810
Excluding monetary reserve		(25)	(333)
Loans and advances	III	14,545,568	18,230,004
Excluding loans and advances with initial maturity above three months		(2,865,372)	(2,421,249)
Cash and cash equivalents at end of year		15,079,417	18,222,232

Notes to the consolidated financial statements

I. Interests in other entities

I.1. General information

Euroclear SA/NV (the Company) and its subsidiaries (together, the group) arrange for the provision of settlement and related services, including banking services in the case of Euroclear Bank, for domestic and international securities transactions, covering bonds, equities, investment funds and derivatives. Euroclear SA/NV also provides software development and a variety of administrative and non-operational support services to the (I)CSDs in the Euroclear group.

Euroclear SA/NV is a limited liability company and is incorporated and domiciled in Belgium. The address of its registered office is:

Euroclear SA/NV
1 Boulevard du Roi Albert II
1210 Brussels
Belgium

I.2. Subsidiaries

Euroclear SA/NV does not have any non-controlling interests in its subsidiaries since they are all wholly owned. Judgements and estimates are thus not taken in assessing the subsidiaries' ownership interest. The company does not face any significant restriction on its ability to access or use assets, and settle liabilities, of the group.

At December 31, 2015, the Company's subsidiaries are as follows:

	Country of incorporation	Nature of business	Proportions of voting rights and ordinary shares held
Consolidated subsidiaries			
Caisse interprofessionnelle de dépôts et de virements de titres SA ¹	Belgium	Central Securities Depository for Belgium	100%
Calar Belgium SA/NV ²	Belgium	Property Investment	100%
EMX Company Limited ¹	United Kingdom	Dormant	100%
Euroclear Bank SA/NV ¹	Belgium	Banking, securities settlement and custody services	100%
Euroclear Finance 2 SA ²	Luxembourg	Financing vehicle	100%
Euroclear Finland Oy ¹	Finland	Central Securities Depository for Finland	100%
Euroclear France SA ¹	Other current as:	Central Securities Depository for France	100%
Euroclear International Services Limited ⁴	United Kingdom	Dormant	100%
Euroclear Sweden AB ¹	Sweden	Central Securities Depository for Sweden	100%
Euroclear UK & Ireland Limited ¹	United Kingdom	Central Securities Depository for the United Kingdom and Ireland, and investment-fund order routing	100%
Nederlands Centraal Instituut voor Giraal Effectenverkeer BV (Necigef) ¹	The Netherlands	Central Securities Depository for the Netherlands	100%
Number of wholly owned subsidiary			11
Number of non-wholly owned subsidiaries			0
Total subsidiaries			11

¹ Held through Euroclear SA/NV

² Held through Euroclear Bank SA/NV

³ Held through Euroclear Sweden AB

⁴ Held through Euroclear SA/NV

Euroclear Finance 2 was liquidated in December 2015 following the redemption in June 2015 of the fixed/floating rate guaranteed non-cumulative perpetual securities (Note XXI).

Nederlands Interprofessioneel Effectencentrum NIEC BV (NIEC) located in the Netherlands was liquidated in December 2014. VKI AB in Sweden, a dormant subsidiary of Euroclear Sweden AB, has been merged with Euroclear Sweden AB in December 2014.

EMX Company Limited's investment-fund order routing business was transferred to Euroclear UK & Ireland Limited in September 2010. The company became dormant in the course of 2014.

	Country of incorporation	Nature of business	Proportions of voting rights and ordinary shares held
Non-consolidated subsidiaries			
CIN(Belgium) Limited ¹	United Kingdom	Nominee company	100%
CREST Client Tax Nominee(No.1) Limited ¹	United Kingdom	Nominee company	100%
CREST Depository Limited ²	United Kingdom	Nominee company	100%
CREST International Nominees Limited ¹	United Kingdom	Nominee company	100%
CREST Stamp Nominee(No.1) Limited ²	United Kingdom	Nominee company	100%
CREST Stamp Nominee(No.2) Limited ²	United Kingdom	Nominee company	100%
CRESTCo Limited	United Kingdom	Nominee company	100%
EC Nominees Limited ³	United Kingdom	Nominee company	100%
EOC Equity Limited ³	United Kingdom	Nominee company	100%
Euroclear Nominees Limited ³	United Kingdom	Nominee company	100%
Euroclear Treasury Nominee Limited ³	United Kingdom	Nominee company	100%
Fundsettle EOC Nominees Limited ³	United Kingdom	Nominee company	100%
Trinity Nominees Limited ²	United Kingdom	Nominee company	100%

¹ Held through CREST Depository Limited

² Held through Euroclear UK & Ireland Limited

³ Held through Euroclear Bank SA/NV

These companies have not been consolidated since they are not material. No transactions have occurred between these companies and the other companies in the group.

I.3. Joint venture

The Depository Trust & Clearing Corporation (DTCC) and Euroclear created a joint venture in September 2014 focusing on collateral processing. The company, DTCC-Euroclear Global Collateral Ltd, is domiciled in the United Kingdom.

The joint venture will initially focus on launching a Margin Transit Utility (MTU) that will provide straight through processing to the settlement of margin obligations, and on piloting a Collateral Management Utility (CMU) to address the pressing problem of sub-optimal collateral mobility and allocation at a global level. The MTU will leverage development work being undertaken by DTCC and the CMU pilot will leverage current Euroclear technology. When fully operational, the utilities will be integrated to provide a seamless front-to-back collateral processing platform.

The joint arrangement between DTCC and Euroclear SA/NV qualifies as joint venture. Ownership and governance of the company is shared equally between DTCC and Euroclear with its Board and senior executives drawn from the two firms' management. Under the contractual agreements, unanimous consent is required from the two parties for all relevant activities. The shareholders will be jointly responsible for the new company. The joint arrangement is conducted through a separate legal entity, which has been equally funded by the two shareholders. Each party has a 50% interest in the company (covering both MTU and CMU services all together) with equal rights attached to shares, dividends and net assets.

There are neither commitments nor contingent liabilities relating to the group's interest in the joint venture.

DTCC-Euroclear Global Collateral Ltd is not a listed company and there is no quoted market price available for its shares.

	Country of incorporation	Proportions of voting rights and ordinary shares held	Dividends received
DTCC-Euroclear Global Collateral Ltd	United Kingdom	50%	-

(€'000)	2015	2014
Summarised statement of financial position		
Assets		
Cash and cash equivalents	31,136	28,811
Other current assets(excluding cash)	22	534
Non-current assets	3,609	-
Total assets	34,767	29,345
Liabilities		
Other current liabilities(including trade payables)	17,053	1,560
Total liabilities	17,053	1,560

(€'000)	2015	2014
Summarised statement of comprehensive income		
Operating profit/(loss) before taxation	(17,690)	(1,303)
Taxation	3,609	261
Profit/(loss) for the year	(14,081)	(1,042)
Total comprehensive income	(14,081)	(1,042)

50% of the above comprehensive income are recognised in the group's consolidated statement of comprehensive income.

(€'000)	2015	2014
Reconciliation of summarised financial information		
Opening net assets 1 January	27,784	-
Capital injection	-	28,198
Profit/(loss) for the year	(14,081)	(1,042)
(Profit)/loss attributable to the year 2014	1,042	-
Effect of exchange rate changes	2,969	628
Closing net assets at 31 December	17,714	27,784
Interest in joint venture at 50%		
Carrying value	8,857	13,892

The Profit/(loss) for the year relates to the first year of activities and covers a period of 16 months. The line (Profit)/loss attributable to the year 2014 deducts the loss attributable to prior year, already recognised in the consolidated accounts in 2014.

II. Accounting policies

II.1. Basis of preparation

These financial statements have been prepared in accordance with International Financial Reporting Standards as adopted by the European Union (IFRSs as adopted by the EU) and IFRIC Interpretations applicable to companies reporting under IFRS.

The consolidated financial statements have been prepared under the historical cost convention, as modified by the revaluation of certain financial instruments.

The EU has not endorsed IAS 39 Financial Instruments: Recognition and Measurement as issued by the IASB, deciding instead to amend some of the hedge accounting requirements. The group has not applied these hedge accounting requirements and has therefore effectively also complied with IAS 39 in full as issued by the IASB.

The preparation of financial statements in conformity with IFRSs requires the use of certain critical accounting estimates. It also requires management to exercise its judgement in the process of applying the company's accounting policies. The areas involving a higher degree of judgement or complexity, or areas where assumptions and estimates are significant to the financial statements, are disclosed in Note IV.

II.1.a. Adoption of interpretation and amendments to standards

The following interpretation and amendments to standards became effective on 1 January 2015:

- IFRIC 21 Levies
- annual improvements to IFRS 2011-2013 cycle

IFRIC 21 Levies has been early adopted by the group in 2014. The application of the amendments had no significant impact on the group's financial statements.

II.1.b. Standards, amended standards and interpretations endorsed by the EU, but effective on 1 January 2016

The following amendments to standards became effective on 1 January 2016:

- Annual improvements to IFRS 2010-2012 cycle
- Amendments to IAS 19 Defined Benefit Plans: Employee contributions
- Annual improvements to IFRS 2012-2014 cycle
- Amendments to IAS 1 Disclosure Initiative
- Amendments to IAS 27 Equity Method in Separate Financial Statements
- Amendments to IAS 16 and IAS 41 Bearer Plants
- Amendments to IAS 16 and IAS 38 Classification of Acceptable Methods of Depreciation and Amortisation
- Amendments to IFRS 11 Accounting of Acquisitions of Interests in Joint Operations

The application of these amended standards has no significant impact on the group's financial statements.

II.2. Summary of significant accounting policies

The principal accounting policies applied in the preparation of these consolidated financial statements are set out below. Unless otherwise stated, these policies have been consistently applied to all the years presented.

II.3. Consolidation

Subsidiaries are all entities over which the group has the power to govern the financial and operating policies generally accompanying a shareholding of more than one half of the voting rights. Subsidiaries are fully consolidated from the date that control is transferred to the group, unless immaterial. They are de-consolidated from the date that control ceases.

A group entity controls an investee if and only if the investor has all the following:

- power over the investee;
- exposure, or rights, to variable returns from its involvement with the investee; and
- the ability to use its power over the investee to affect the amount of the investor's returns.

In accordance with IFRS 3, the cost of an acquisition is measured as the fair value of the assets given, equity instruments issued and liabilities incurred or assumed at the date of exchange. Costs directly attributable to the acquisition are expensed. Identifiable assets acquired and liabilities and contingent liabilities assumed in a business combination are measured initially at their fair values at the acquisition date, irrespective of the extent of any minority interest.

The excess of the cost of acquisition over the fair value of the group's share of the identifiable net assets is recognised as goodwill. If the cost of acquisition is less than the fair value of the group's share of the net assets of the subsidiary acquired, the difference is recognised directly in the income statement.

Inter-company transactions, balances and unrealised gains on transactions between group companies are eliminated. Unrealised losses are also eliminated unless the transaction provides evidence of impairment of the asset transferred. Where permitted under local legislation, the accounting policies of subsidiaries have been changed to ensure consistency with the policies of the group.

Business combinations involving entities under common control were specifically excluded from the scope of IFRS 3 Business combinations. The group has therefore applied the guidance provided by IAS 8 Accounting policies, changes in accounting estimates and errors, which requires management to consider the requirements and guidance in other international standards and interpretations dealing with similar issues. Management have therefore applied the UK GAAP requirements of Financial Reporting Standard (FRS) 6 Mergers and acquisitions for such business combinations involving entities under common control. This standard allows the assets and liabilities of the parties to the combination to be retained at their book value.

A joint arrangement is an arrangement of which two or more parties have joint control. A joint arrangement has the following characteristics:

- the parties are bound by a contractual arrangement;
- the contractual arrangement gives two or more of those parties joint control of the arrangement.

A joint arrangement is either a joint operation or a joint venture.

A joint venture is a joint arrangement whereby the parties that have joint control of the arrangement have rights to the net assets of the arrangement. Joint ventures are accounted for using the equity method of accounting. Under the equity method, the investment is initially recognised at cost and the carrying amount is subsequently increased or decreased to recognise the group's share of the net result of the joint venture after the acquisition. The group's share of the joint venture's profit or loss is recognised in its income statement. The group's interest in a joint venture or associate is carried in the statement of financial position at its share in the net assets of the joint venture, less any impairment loss. The accounting policies of the joint venture are changed where necessary to ensure consistency with the policies adopted by the group.

II.4. Segment reporting

An operating segment is a component of an entity that engages in business activities from which it may earn revenues and incur expenses.

Operating segments are reported in a manner consistent with the internal reporting provided to the chief operating decision-maker. The chief operating decision maker, who is responsible for allocating resources and assessing performance of the operating segments, has been identified as the Euroclear SA/NV Management Committee.

II.5. Foreign currency translation

II.5.a. Functional and presentation currency

Items included in the financial statements of each of the group's entities are measured using the currency of the primary economic environment in which the entity operates (the functional currency). The consolidated financial statements are presented in euro, which is the company's functional and presentation currency.

II.5.b. Transactions and balances

Foreign currency transactions are translated into the functional currency using the exchange rates prevailing at the dates of the transactions. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation at year-end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognised in the income statement, except when deferred in equity as qualifying cash flow hedges and qualifying net investment hedges. Translation differences on non-monetary items measured at fair value through profit or loss are reported as part of the fair value gain or loss. Translation differences on other non-monetary items are included in the foreign currency translation reserve.

II.5.c. Group companies

The results and financial position of all the group's entities that have a functional currency different from the presentation currency are translated into the presentation currency as follows:

- assets and liabilities for each balance sheet presented are translated at the closing exchange rate at the balance sheet date;
- income and expenses for each income statement are translated at average exchange rates for the year; and
- the resulting exchange differences are recognised in the foreign currency translation reserve.

On consolidation, exchange differences arising from the translation of the net investment in foreign entities, and of borrowings and other currency instruments designated as hedges of such investments, are taken to other comprehensive income, in the foreign currency translation reserve and the hedge of net investments in foreign operations reserve. When a foreign operation is sold, such exchange differences are recognised in the income statement as part of the gain or loss on the sale.

None of the group companies has used the currency of a hyperinflationary economy as its functional currency.

Goodwill and fair value adjustments arising on the acquisition of a foreign entity are treated as assets and liabilities of the foreign entity and translated at the closing exchange rate.

II.6. Revenue recognition

II.6.a. Interest income and expense

Interest income and expense are recognised in the income statement for all instruments measured at amortised cost using the effective interest rate method. This is a method of calculating the amortised cost of a financial asset or liability and of allocating the interest income or interest expense over the relevant accounting years.

The effective interest rate is the rate that exactly discounts the estimated cash payments or receipts over the expected life of the instrument to the net carrying amount of the financial asset or financial liability. When calculating the effective interest rate, the future expected cash flows are estimated after considering all the contractual terms of the instrument, but not future credit losses.

Group loans to, and deposits from, banks and customers are principally related to Euroclear Bank clients' cash accounts operated in connection with their securities settlement activity, with balances generally changing on a daily basis. Time deposits and the re-deposits of surplus funds rarely have maturities of more than three months and accordingly the effective interest rate method is not used.

Interest income and expense on derivative instruments are recorded in profit and loss on an accrual basis.

II.6.b. Fee and commission income and expense

Fee and commission income and expense which respectively represent a return and cost for services rendered (such as safekeeping, settlement and custody) are recognised in the income statement when the related service is performed. Safekeeping fees are based on the monthly average depot value of securities held in custody, while settlement fees are based on the number of settled transactions. Rebates granted are deducted from fee and commission income when declared.

Fee and commission income and expense, which represent a return for credit risk borne or which are in the nature of interest (securities borrowing), are recognised in the income statement over the period of the loan, or on a systematic basis over the expected life of the transaction to which they relate, net of rebates granted.

II.6.c. Dividends

Dividends on available-for-sale equity instruments are recognised in the income statement when the group's right to receive payment is established.

II.6.d. Gains and losses on disposals

Gains and losses on disposals of property, plant and equipment, determined by comparing proceeds with the carrying amount, are included in the income statement in other operating income and administrative expenses respectively.

II.7. Financial instruments

Financial assets are classified into held-to-maturity investments, available-for-sale financial assets, held for trading, or loans and receivables. The group has not designated any financial instrument as at fair value through profit or loss.

II.7.a. Held-to-maturity investments

Held-to-maturity investments are non-derivative financial assets with fixed or determinable payments and fixed maturities that the group's management has the positive intention and ability to hold to maturity. In accordance with IAS 39, the disposal of any more than an insignificant amount of held-to-maturity assets will result in the entire category being tainted and reclassified as available-for-sale for a period of two years (provided no further tainting occurs). Held-to-maturity assets are recognised in the balance sheet on settlement date at fair value plus any directly related transaction costs. They are subsequently measured at amortised cost using the effective interest method less any impairment losses.

II.7.b. Available-for-sale investments

Available-for-sale investments are those financial assets including debt securities and equity shares which are intended to be held for an indefinite period of time, but which may be sold in response to changes in the group's financial environment.

Available-for-sale investments are recognised in the balance sheet on settlement date at fair value. Gains or losses arising from changes in the fair value of such assets are recognised directly in equity, until the asset is either sold, matures or becomes impaired, at which time the cumulative gain or loss previously recognised in equity is released to the income statement. Interest revenues are recognised using the effective yield method.

The fair value of listed debt securities and equity shares reflects the published price at the balance sheet date. In the case of investments with no listed market price, a valuation technique (e.g. recent transactions between willing and knowledgeable parties, discounted cash flows and market multiples) is applied. Where the fair value of unlisted equity investments cannot be reliably measured, they continue to be valued at cost.

II.7.c. Held for trading

A financial asset is classified as held for trading if it is either:

- acquired for the purpose of selling or repurchasing in the near term;
- part of a portfolio of identified financial instruments that are managed together and for which there is evidence of a recent actual pattern of short-term profit taking;
- a derivative that is not a designated and effective hedging instrument.

II.7.d. Loans and receivables

Loans and receivables are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market. They are initially recognised in the balance sheet on settlement date at fair value plus directly related transaction costs, if any, when cash is advanced to the borrowers. They are subsequently measured at amortised cost using the effective interest method.

Long-term loans or receivables that carry no interest are initially recognised at the net present value of all future cash receipts discounted using applicable market interest rates at origination. The difference between nominal value and net present value is recognised in the income statement over the life of the investment using the effective interest rate.

II.8. Borrowings

Borrowings are recognised initially at fair value, being the issue proceeds (fair value of consideration received) net of transaction costs incurred. Borrowings are subsequently stated at amortised cost; any difference between proceeds net of transaction costs and the redemption value is recognised in the income statement over the period of the borrowings using the effective interest rate method.

Preference shares, which carry a mandatory coupon, or which are redeemable on a fixed or determinable future date, are classified as financial liabilities and are presented in other borrowed funds. The coupon on these preference shares is recognised in the income statement as interest expense.

II.9. Derivative financial instruments and hedge accounting

All derivative financial instruments are recognised, and subsequently re-measured, at fair value. Derivative fair values are determined from quoted prices in active markets where available. Where there is no active market for an instrument, fair value is derived from prices for the derivative's components using appropriate pricing or valuation models.

Gains and losses arising from changes in fair value of a derivative are recognised as they arise in profit and loss, unless the derivative is part of a qualifying hedge.

Hedge relationships are formally documented at inception. The documentation includes identification of the hedged item and the hedging instrument, and explains the risk that is being hedged and the way in which effectiveness of the hedge relationship will be assessed at inception and during the period of the hedge. If the hedge is not highly effective in offsetting changes in fair values or cash flows attributable to the hedged risk, consistent with the documented risk management strategy, hedge accounting is discontinued. In such circumstances, the ineffective portion retained in equity is immediately recycled to profit and loss.

The group may enter into three types of hedges: hedges of changes in the fair value of a recognised asset or liability or firm commitment (fair value hedges), hedges of the variability in cash flows from a recognised asset or liability or a forecast transaction (cash flow hedges), and hedges of the net investment in a foreign entity (net investment hedges).

II.9.a. Fair value hedges

Changes in the fair value of derivatives that are designated and which qualify as fair value hedges are recorded in the profit and loss account, together with the gain and loss on the hedged item attributable to the hedged risk.

II.9.b. Cash flow hedges

In the case of a cash flow hedge, the portion of the gain or loss on the hedging instrument that is determined to be an effective hedge should be recognised directly in equity and released to profit and loss when the forecasted transaction affects profit and loss. The ineffective portion of the gain or loss on the hedging instrument is recognised immediately in the profit and loss account.

II.9.c. Net investment hedges

A hedge of a net investment in a foreign operation is accounted for similarly to cash flow hedges. The portion of the gain or loss on the hedging instrument that is determined to be an effective hedge is recognised directly in equity and released to profit and loss on disposal of the foreign operation. The ineffective portion of the gain or loss on the hedging instrument is recognised immediately in the profit and loss account.

II.10. Impairment of financial assets

The group assesses at each balance sheet date whether there is objective evidence that a financial asset or group of financial assets classified as held-to-maturity, available-for-sale or loans and receivables is impaired. A financial asset or portfolio of financial assets is impaired and an impairment loss recognised where there is objective evidence that an event occurring after initial recognition of the asset has adversely affected the amount or timing of future cash flows and this effect can be reliably estimated.

For financial assets carried at amortised cost, the amount of the impairment loss is measured as the difference between the carrying amount of the financial asset and the present value of estimated future cash flows discounted at the original market rate of return for a similar financial asset.

Cash flows relating to short-term receivables (less than three months) generally are not discounted. Impairment losses are recognised immediately in profit and loss. If, in a subsequent year, the amount of the impairment or bad debt loss decreases and the decrease can be related objectively to an event occurring after the recognition of the original loss, this loss is reversed. The reversal shall not result in a carrying amount of the financial asset that exceeds what the amortised cost would have been had the impairment not been recognised at the date the impairment is reversed.

For financial assets carried at fair value, if there is objective evidence of impairment of an available-for-sale financial asset, the cumulative net loss (difference between amortised acquisition cost and current fair value less any impairment loss previously recognised in profit or loss) that has previously been recognised in equity is removed and recognised in the income statement. If, in a subsequent year, the fair value of an available-for-sale debt instrument increases and the increase can be objectively related to an event occurring after the loss was recognised, the loss may be reversed through profit and loss. Impairments on investments in equity securities cannot be reversed.

II.11. Purchase and resale agreements

Securities purchased under agreements to resell ('reverse repos') are recorded as loans and advances to other banks or customers, as appropriate. The difference between the sale and repurchase price is treated as interest and accrued over the life of the agreements using the effective interest method.

II.12. Goodwill and intangible assets

II.12.a. Goodwill

Goodwill represents the excess of the cost of an acquisition over the fair value of the group's share of the identifiable net tangible and intangible assets of an acquired entity at the date of acquisition. Goodwill is carried at cost less accumulated impairment losses and tested for impairment annually or more frequently where events or changes in circumstances indicate that it might be impaired. For the purpose of impairment testing, goodwill is allocated to cash-generating units, the smallest identifiable group of assets that generates cash inflows that are largely independent of the cash inflows from other assets or groups of assets. If impairment is identified, the carrying value of goodwill is written down to its net recoverable amount. Impairment losses are immediately recognised in profit and loss and are not subsequently reversed.

II.12.b. Computer software

Computer software licences are capitalised on the basis of the costs incurred to acquire and bring to use the specific software.

Costs associated with the development phase of computer software being developed by, and for use of, the group are capitalised only when the following can be demonstrated:

- technical feasibility;
- intention to complete;
- ability to use or sell the asset;
- generation of probable future economic benefits;
- availability of technical, financial and other resources; and
- reliable measurement of attributable expenditure.

Borrowing costs that are directly attributable to the acquisition or development of software are considered as part of the cost of the software.

The cost of computer software is amortised using the straight-line method over its estimated useful life.

Impairment tests are performed annually or more frequently if events or circumstances indicate that the asset might be impaired.

Costs associated with maintaining or upgrading computer software programmes are recognised as an expense as incurred.

II.12.c. Other intangible assets

At the time of a business combination, part of the cost might be attributed to one or more intangible assets when these are separable or arise from contractual or other legal rights (such as contractual customer relationships), provided a fair value can be measured reliably.

For each asset, the expected useful life is also assessed. Where this is a finite period, the cost of the asset will be amortised using the straight-line method over that period. The estimated useful life is assessed to be indefinite when, following an analysis of all the relevant factors, there is no foreseeable limit to the period over which the asset is expected to generate net cash inflows. In such circumstances, the cost will not be amortised.

The amortisation period and amortisation method for assets with a finite life are reviewed at least at each financial year-end, and changed when necessary.

For assets with an indefinite life, impairment tests are performed annually or more frequently if events or circumstances indicate that the asset might be impaired.

II.13. Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation. Where an item of property, plant and equipment comprises major components having different useful lives, these components are accounted for separately.

Borrowing costs that are directly attributable to the acquisition of an asset are considered as part of the cost of the asset.

Subsequent costs are included in the asset's carrying amount or are recognised as a separate asset, as appropriate, only when it is probable that future economic benefits associated with the item will flow to the group and the cost can be measured reliably. All other costs are charged to the income statement during the financial year in which they are incurred.

Depreciation on property, plant and equipment is determined using the straight-line method to allocate the depreciable amount (difference between the cost and the residual value) over its estimated useful life.

The estimated useful life of property, plant and equipment is as follows:

- freehold and long leasehold buildings: 25 to 40 years;
- building enhancements: 20 years;
- leasehold improvements: shorter of economic life and period of lease;
- data processing and communications equipment: between two and five years; and
- furniture and fixtures: seven years.

Land is not depreciated.

II.14. Leases

Contracts to lease assets are classified as finance leases where they transfer substantially all the risks and rewards of ownership of the asset to the customer. Contracts not deemed to be finance leases are treated as operating leases.

Assets provided under finance leases are included within fixed assets at cost and depreciated over their economic useful lives taking into account anticipated residual values.

Operating lease income and charges are adjusted where relevant by lease incentives and are recognised on a straight-line basis over the life of the lease.

When an operating lease is terminated before the lease period has expired, any payment required to be made to the lessor, or received from the lessee by way of penalty, is recognised as an expense or income in the period in which termination takes place.

II.15. Cash and cash equivalents

For the purposes of the statement of cash flows, cash and cash equivalents comprise balances with an original maturity of not more than three months, including cash and non-restricted balances with central banks, and loans and advances to banks and other customers.

II.16. Provisions

Provisions are recognised where:

- there is a present obligation arising from a past event;
- there is a probable outflow of resources; and
- the outflow can be estimated reliably.

Provisions are recognised in respect of onerous contracts where the unavoidable costs of the future obligations under the contract exceed the economic benefits expected to be received.

Contingent liabilities are possible obligations whose existence depends on the outcome of one or more uncertain future events not wholly under the control of the group. For those present obligations where the outflows of resources are uncertain, or in the rare cases where these outflows cannot be measured reliably, this will give rise to a contingent liability. Contingent liabilities are not recognised in the financial statements but are disclosed, unless they are remote.

II.17. Employee benefits

II.17.a. Pension obligations

The group operates a number of post-retirement benefit schemes for its employees, including both defined contribution and defined benefit pension plans.

A defined contribution plan is a pension plan under which the group pays fixed contributions into a separate entity and has no legal or constructive obligation to pay further contributions.

A defined benefit plan is a post-employment benefit plan other than a defined contribution plan.

The liability recognised in the balance sheet in respect of defined benefit plans is the present value of the defined benefit obligation at the balance sheet date less the fair value of plan assets. The defined benefit obligation is calculated annually by independent actuaries using the projected unit credit method. The present value of the defined benefit obligation is determined by discounting the estimated future cash outflows using interest rates of high-quality corporate bonds that are denominated in the currency in which the benefits will be paid, and that have terms to maturity approximating to the terms of the related pension liability.

Actuarial gains and losses arising from experience adjustments and changes in actuarial assumptions are recognised in equity in the period in which they occur.

Past service costs are recognised immediately in the profit and loss account.

The costs of defined contribution plans are charged to the income statement in the year in which they fall due.

II.17.b. Other post-retirement benefits

Some group companies provide post-retirement healthcare benefits to their retirees. The expected costs of these benefits are accrued over the period of employment using an accounting methodology similar to that for defined benefit pension plans. Actuarial gains and losses arising from experience adjustments and changes in actuarial assumptions are charged or credited to equity. These obligations are valued annually by independent qualified actuaries.

II.18. Current and deferred income taxes

Current tax payable on profits, based on the applicable tax law in each jurisdiction, is recognised as an expense in the year in which profits arise.

Deferred income tax is provided in full, using the liability method, on temporary differences arising between the tax bases of assets and liabilities and their carrying amounts in the consolidated financial statements. Deferred income tax is determined using tax rates (and laws) that have been enacted or substantially enacted in each relevant country by the balance sheet date and are expected to apply when the related deferred income tax asset is realised or the deferred income tax liability is settled.

The principal temporary differences arise from:

- depreciation of tangible fixed assets and amortisation of intangible assets;
- revaluation of certain financial assets and liabilities, including derivative contracts;
- provisions for pensions and other post-retirement benefits;
- tax losses carried forward; and
- in relation to acquisitions, the difference between the fair values of the net assets acquired and their tax base.

Temporary differences on the initial recognition of assets and liabilities other than those acquired in a business combination are not recognised unless the transaction affects accounting or taxable profit.

Deferred tax assets, including those related to income tax losses available for carry forward, are recognised when it is probable that future taxable profit will be available against which the temporary differences can be used.

Deferred income tax is provided on temporary differences arising from investments in subsidiaries and associates, except where:

- the timing of the reversal of the temporary difference is controlled by the group; and
- it is probable that the difference will not reverse in the foreseeable future.

Current tax assets and liabilities are offset when they arise in the same entity and where there is both a legal right of offset and the intention to settle on a net basis or to realise the asset and settle the liability simultaneously.

Deferred tax related to a transaction or event which is charged or credited directly to equity (e.g. fair value re-measurement of available-for-sale investments and cash flow hedges) is also credited or charged directly to equity and is subsequently recognised in the income statement together with the deferred gain or loss.

Deferred tax assets and liabilities are not discounted.

II.19. Dividends

Dividends on ordinary shares are recognised in equity and as a liability in the year in which they are approved by the Company's shareholders.

Dividends for the year that are declared after the balance sheet date are not recognised as a liability and are instead disclosed as subsequent events.

III. Risk management and the financial risk management environment

III.1. Managing business in a risk-controlled environment

III.1.a. Enterprise Risk Management: A coherent framework

The Risk Management function has developed a comprehensive risk framework taking into account relevant market and regulatory standards, based on an Enterprise Risk Management (ERM) approach, as well as appropriate policies and procedures. These cover both day-to-day operational and risk/control processes to identify, monitor and mitigate risks and incident response processes. Euroclear uses the ERM framework to help risk owners take decisions in line with the Company's risk appetite and apply effective controls in line with Euroclear's aim to maintain a low-risk profile.

The risks that Euroclear faces in pursuing its corporate mission are reflected in the Risk Register. Six principal risk categories have been identified: credit, liquidity, operational, market, business and strategic. Reputational risk, is seen as a potential consequence of any of our key risks materialising, which can in turn trigger or amplify any of the risks.

We monitor internal and external factors which can trigger these risks and assess their potential impact to define the inherent and residual risks they pose to Euroclear. The Board and management set explicit or implicit limits on the amount of risk that Euroclear entities are prepared to accept (risk appetite).

In line with best market practice, Euroclear has adopted a three lines of defence model:

- **first line of defence:** Line Management, as owner of the risk, identify, define and operate the control environment to help them achieve their business objectives and control the risks that prevent them from achieving these. They document and demonstrate the control environment and involve control functions such as Risk Management or Compliance and Ethics to support them.
- **second line of defence:**
 - Risk Management defines the control environment framework in line with regulations and internal policies. They monitor the Risk and Internal Control environment in a changing internal and external environment, challenge management on its effectiveness and report or escalate to management risks or control defects.
 - Compliance defines the framework, monitors, tests, reports and escalates to management on controls relating to laws and regulations and advice on remedial actions.
 - Other support functions like Finance or HR monitor specific controls and escalate to management in case of control defects.
- **third line of defence:** Internal Audit independently review and test the Risk Management, governance and internal control framework and report to management and Board about the adequacy and effectiveness of the control environment.

Management establishes High Level Control Objectives (HLCOs) to mitigate the risks. These HLCOs set the expectation of the level of internal control in each entity and division of the group. Each of the HLCOs has a senior business management owner who is accountable for ensuring that risks are appropriately mitigated.

III.1.b. Control environment

These control objectives are the foundation of Euroclear's Internal Controls System (ICS) and form the basis of the annual Risk & Control Self-Assessments (RCSAs). During the self-assessments both the HLCOs and key control objectives are re-validated with each of the owners. Risk Management then consolidates and summarises the results of the self-assessments, discusses them with the Management Committee of Euroclear SA/NV and its subsidiaries and reports its conclusions to the Board of Euroclear SA/NV.

Several Euroclear entities, including Euroclear Bank, also make audited ISAE 3402 control statements to inform clients and other stakeholders about their control environments. In addition, our CSDs and Euroclear Bank update annually the Disclosure Framework for Securities Settlement Systems, which is one of the requirements for compliance with the RSSS.

III.1.c. Operational risk management

All Euroclear entities face operational risks in their daily activities, caused by either inadequate or failed internal processes, human errors, system failures or external events.

In line with Basel recommendations, we categorise our operational risks and loss events in seven risk event types:

- employment practices and workplace safety
- clients, products & business practices
- execution, delivery & process management
- internal fraud
- external fraud
- business disruption & systems failure
- damage to or loss of physical (or other) assets

We use Key Risk Indicators, Key Performance Indicators and regular self-assessment to effectively monitor operational risk. Risk management also ensures that the first line consistently logs and reports all incidents, with or without financial impact, and escalates them at the appropriate management level when necessary.

This approach allows us to have more than a decade of data in our operational incident database, which we can share with the international Operational Riskdata eXchange Association (ORX). In turn, we receive external loss data from ORX, which we use for capital modelling and which helps us to understand and manage operational risk adequately.

Information Security & Business Continuity

A major component today of operational risk management is Information Security (IS) and business continuity management, which are fully integrated in our ERM framework and aligned with recognised international standards.

Our IS Internal Control System includes processes to ensure continuous availability of business-critical services and effective management response to crises.

III.2. Euroclear group financial risk management

The framework put in place at Euroclear ensures that financial risks (i.e. credit, liquidity and market risks) are tightly controlled. The core of this framework is formed by a Corporate Board Risk Policy and underlying Policy Handbooks by risk type. The policy handbooks define the risk appetite and formulate a risk and control statement, as well as the principles by which Euroclear seeks to ensure effective assessment and management of these risks.

III.2.1. Credit risk

Credit risk is defined as the risk of loss arising from the default or failure of a participant or counterparty to meet its agreed upon obligations to Euroclear.

Euroclear Bank

Euroclear Bank has not experienced significant credit losses in its history, not even during periods of market turmoil. This is largely due to the very short duration of credit exposures. In addition, Euroclear Bank applies very strict collateralisation rules. More than 99% of its credit exposures are collateralised, mostly with very high-quality collateral.

In addition, Euroclear Bank also has treasury exposures resulting from clients' end-of-day cash positions. These balances are usually placed in the market with high-quality counterparties, preferably by using reverse repurchase agreements (reverse repos) or in very high quality securities with short-term maturities. The risks are limited by their short duration, as well as policy limits.

Euroclear CSDs

As their transactions settle in central bank money, the Euroclear CSDs have no direct cash relationship with their clients. Consequently, they cannot extend loans or credit facilities to their customers. The Euroclear CSDs can potentially face a certain level of credit risk arising from the non-payment of fees by their clients, albeit for limited amounts considering both the frequency of the billing and their relatively broad customer base. Therefore, each CSD of the group is required by its home regulator to hold enough liquidity to cover such risks.

Finally, the Euroclear CSDs are also exposed to the credit risk related to the reinvestment of their cash surplus with their bank counterparties. The credit risk is mitigated through a strict investment policy limiting the allowed counterparties and type of instruments.

III.2.1.a. Maximum credit exposure

The table below summarises the maximum exposure to credit risk (net of any impairment losses recognised in accordance with IAS 39), which for the purpose of this annex is defined as the net carrying amount as reported in the financial statements (therefore measured on an end-of-day basis), without taking into account any collateral held or other credit enhancement attached.

(€'000)	Notes	2015	2014
At 31 December			
Financial assets			
- Cash and balances with central banks		3,399,246	2,413,810
- Loans and advances		14,545,568	18,230,004
- Available-for-sale financial assets	XIV	2,440,860	3,750,926
- Financial assets held for trading	XV	6,897	6,834
- Derivatives used for hedging	XVI	1,538	-
Total financial assets		20,394,109	24,401,574
Securities lending indemnifications	XXV	18,576,063	11,133,237
Total		38,970,172	35,534,811

At 31 December, the secured exposure amounted to €33,451,118,000 in 2015 (2014: €28,225,173,000), while the unsecured exposure amounted to €5,502,932,000 in 2015 (2014: €7,283,597,000). Secured exposure includes €13,913,443,000 of reverse repo transactions (2014: €15,735,547,000).

The credit quality of balances with central banks and the portfolio of loans and advances can be assessed by reference to the internal rating system adopted by the group.

Rating (in %)	2015	2014
At 31 December		
Eaaa	19%	13%
Eaa	25%	29%
Ea	45%	53%
Ebbb+ and Ebbb	10%	4%
Ebbb- and below	1%	1%
Total	100%	100%

The internal rating 'Eaa' shown above sums up the ratings 'Eaa-', 'Eaa' and 'Eaa+' of Euroclear Bank's internal ratings scale. Accordingly, the internal rating 'Ea' sums up the ratings 'Ea-', 'Ea' and 'Ea+' of the internal ratings scale.

The table below presents an analysis of the available-for-sale financial assets (excluding equity shares) by rating agency designation at 31 December 2015 and 31 December 2014, based on Standard & Poor's ratings or their equivalent (Moody's P1 includes Standard & Poor's A1+ and A1 for short term investments):

Rating (in %)	2015	2014
At 31 December		
AAA	7%	7%
P1	62%	71%
AA+	10%	13%
AA	21%	9%
Total	100%	100%

III.2.1.b. Credit risk mitigation

Euroclear Bank aims at mitigating most of the short-term credit exposure on its clients, preferably by relying on securities or cash collateral held and pledged within the clients' accounts in Euroclear Bank. Frequent monitoring shows that more than 99% of the collateral pledged in the Euroclear System has investment grade quality. As clients' credit facilities are multi-purpose and multi-currency, clients can use the collateral pledged to Euroclear Bank to guarantee all the obligations they have with Euroclear Bank, irrespective of the nature of the exposure and the original currency.

In order to accurately determine the value of the collateral it takes, Euroclear Bank has developed a dynamic internal collateral valuation model taking into account market, credit, country and liquidity risks. Haircuts are computed at least once a day for each security, reflecting the latest market risk factors and conditions. The collateral valuation model is back-tested and stress tested regularly. The results show that the collateral valuation model has provided continually adequate valuations, even during periods of high volatility for the markets.

Euroclear Bank's secured exposure relates to overdrafts or fixed-term advances granted to clients, guarantees issued to securities lenders in the context of the securities lending and borrowing and GC access programmes, and reverse repos.

III.2.1.c. Concentration risk

Concentration limits are set to ensure that the group does not take too large an exposure on too few clients or counterparties. Under EU and Belgian banking regulations, large individual exposures have to remain below 25% of their own funds (Tier 1 + Tier 2 less deductions).

Geographical concentration of financial assets and liabilities

(€'000)	Europe	Americas	Rest of the world	Total
At 31 December 2015				
Total financial assets	18,794,603	246,541	1,352,965	20,394,109
Total financial liabilities	7,103,484	3,642,205	7,087,217	17,832,906
At 31 December 2014				
Total financial assets	22,183,843	148,765	2,068,966	24,401,574
Total financial liabilities	8,658,029	5,012,450	8,407,484	22,077,963

III.2.2. Liquidity risk

Liquidity risk is the risk of loss arising from Euroclear being unable to settle a cash or securities obligation when due. Liquidity risks does not imply that Euroclear is insolvent since it may be able to settle the required debit obligations at some unspecified time thereafter.

III.2.2.a. Liquidity risk at Euroclear Bank

Euroclear Bank provides liquidity to offer efficient settlement and custody services. It ensures timely cross-border settlement with domestic markets, supports new issues and custody activities, and enables clients to transfer sales and income proceeds in a timely manner. Euroclear Bank's liquidity risk is largely intra-day and transactional.

Euroclear Bank's overnight settlement process, enabling clients to settle transactions in a wide range of currencies within a single timeframe, efficiently recycles and minimises liquidity needs, as clients only have to fund the resulting net debit position.

Although the daily incoming and outgoing cash payments are typically matched, Euroclear Bank may still end up with residual cash positions at the end of the day. On a daily basis, Euroclear Bank is typically long cash, which it invests mostly on a very short term basis to match the volatility of clients' settlement and money transfer activities.

III.2.2.b. Liquidity risk appetite

Euroclear Bank's liquidity risk appetite is very low, given the criticality of intra-day liquidity for the efficient delivery of its settlement and custody services. Euroclear Bank has, therefore, adopted a strong risk management framework to anticipate, monitor and manage the intra-day

liquidity flows to ensure the quality of its services. Liquidity risk is further mitigated by Euroclear Bank's strict client admission policy and the continuous monitoring of its clients, and by the fact that credit is secured and short-term.

III.2.2.c. Funding

Euroclear Bank's settlement system allows for an efficient recycling of liquidity. Although Euroclear Bank settles transactions amounting to over €1,700 billion each day (2015 average), it only extends around 5% of the settled transactions in secured intra-day credit to its clients (thanks to netted back-to-back transactions and to an efficient securities lending and borrowing programme). Since Euroclear Bank's daily payment receipts typically match its payment obligations, additional liquidity is only needed to smoothen or accelerate the payment process and to ensure the timely execution of time critical payments throughout the day.

To support its daily payment activity, Euroclear Bank relies on a large network of highly rated cash correspondents and has a direct access to TARGET2 system for euro payments. In order to raise liquidity, Euroclear Bank can also use its investment book, funded by equity and retained earnings. The investment book must be invested with the objective of capital and liquidity preservation, meaning in euro-denominated sovereign, supranational or agency debt instruments rated AA- or above and ESCB-eligible. Furthermore, Euroclear Bank has a broad access to the inter-bank market and has contingency liquidity sources in place for the major currencies.

The adequacy of Euroclear Bank's liquidity capacity is assessed and approved quarterly by the Credit and Assets and Liabilities Committee (CALCO). It also monitors, on a monthly basis, the trend of liquidity risks that Euroclear Bank faces through liquidity key risk indicators, allowing for instance to identify changes in clients' cash management behaviour that may affect Euroclear Bank's liquidity.

III.2.2.d. Liquidity stress testing

Euroclear Bank regularly performs idiosyncratic and market-wide liquidity stress tests to assess potential liquidity strains and to ensure adequate access to enough liquidity sources to fund any shortfalls. For the group CSDs and Euroclear SA/NV, liquidity stress testing is also performed to ensure, where applicable, compliance with local regulatory liquidity obligations as well as adequate funding.

Example of liquidity stress tests are:

- default of the top two clients (at family level);
- operational failure of a key cash correspondent;
- a sudden drop of participant balances.

In addition, Euroclear Bank has to comply with regulatory liquidity stress tests: the Liquidity Coverage Ratio (LCR). As per its June 2015 circular, the National Bank of Belgium (NBB) is using its possibility foreseen in the Capital Requirements Regulation (CRR) to impose stricter liquidity requirements until the full implementation of the LCR in 2018. NBB is requiring full LCR compliance (100%) as from 1 October 2015. The aim of the LCR is that credit institutions hold sufficient liquid assets to withstand the excess of liquidity outflows over inflows that are expected to accumulate over a 30-day stressed period. Euroclear complies with this requirement.

III.2.2.e. Liquidity contingency plan

In accordance with principle 7 of CPMI-IOSCO, Euroclear Bank maintains an appropriate liquidity contingency plan to ensure the business continuity of its core settlement and custody services. The plan documents the relevant operational procedures and ensures access to (contingency) liquidity in the event of an operational or financial crisis. On top of its own capital and access to regular market funding, Euroclear Bank has negotiated committed liquidity lines and can call upon a €965 million syndicated back-stop facility and a €180 million bilateral stand by facility. The contingency plan and the availability of contingency liquidity are regularly tested and subject to stress testing. Finally, to cover its short-term liquidity needs resulting from the default of a client, Euroclear Bank has agreements in place allowing Euroclear Bank to appropriate the client pledged collateral (immediate transfer of ownership). In order to generate liquidity, this appropriated collateral is then re-used with liquidity providers or pledged with the NBB, pending full liquidation.

III.2.2.f. Liquidity risks in Euroclear SA/NV and the CSDs

Investments of cash belonging to Euroclear SA/NV and the CSDs aim at minimising liquidity risk for these entities:

- stable cash positions linked to regulatory liquidity requirements, for entities where such requirements apply, should be invested on a rollover basis; and
- surplus cash investments, which includes the working cash needs of these entities, should always be cash flow driven, which means that the amount and period of the investments should take into account the evolution of working cash needs and capital expenditure.

The type of instrument to be used is limited to overnight or term deposits, the duration of which should not exceed three years.

The table below shows the consolidated financial liabilities analysed by remaining contractual maturity at the balance sheet date. The amounts disclosed in the table are the contractual undiscounted cash flows at spot rate and the book value of the derivatives.

(€'000)	Notes	Repayable on demand or within one week	Other amounts maturing within 3 months	Maturity between 3 and 6 months	Maturity between 6 months and 1 year	Maturity within 1 to 5 years	Maturity after 5 years	Undiscounted contractual cash flows - Total	Book value
At 31 December 2015									
Financial liabilities									
		1,193,267	-	-	-	-	-	1,193,267	1,193,267
		15,863,898	745,877	5,967	19,420	-	-	16,635,162	16,635,106
	XV	4,533	-	-	-	-	-	4,533	4,533
Total financial liabilities		17,061,698	745,877	5,967	19,420	-	-	17,832,962	17,832,906

(€'000)		Repayable on demand or within one week	Other amounts maturing within 3 months	Maturity between 3 and 6 months	Maturity between 6 months and 1 year	Maturity between 1 and 5 years	Maturity after 5 years	Undiscounted contractual cash flows - Total	Book value
At 31 December 2014									
Financial liabilities									
		2,242,676	-	-	-	-	-	2,242,676	2,242,662
		19,539,146	184,464	3,931	412	-	-	19,727,953	19,727,871
	XV	6,723	-	-	-	-	-	6,723	6,723
	XVI	-	102	105	218	-	-	425	425
	XXI	-	-	102,255	-	-	-	102,255	100,282
Total financial liabilities		21,788,545	184,566	106,291	630	-	-	22,080,032	22,077,963

In the table above, the deposits from banks and customers include an amount of 3,726,977,000 €-equivalent at 31 December 2015 (2014: 2,900,940,000 €-equivalent) of deposits blocked following applicable international sanctions measures.

III.2.2.g. Fair value of financial instruments

Financial instruments traded in active markets

A market is regarded as active if quoted prices are readily and regularly available (exchange, dealer, broker, pricing service or regulatory agency) and if these prices represent actual and regularly occurring market transactions on an arm's length basis. These instruments are included in level 1.

The fair value of such instruments is based on quoted market prices at the balance sheet date.

Financial instruments not traded in active markets

The fair value of these instruments is determined by using valuation techniques. These valuation techniques maximise the use of observable market data where it is available. If all significant inputs that are required to fair value an instrument are observable, the instrument is included in level 2.

If one or more of the significant inputs is not based on observable market data, the instrument is included in level 3.

Specific valuation techniques used to value financial instruments include:

- quoted market prices or dealer quotes for similar instruments;
- the present value of the estimated future cash flows based on observable yield curves, for the fair value of interest rate swaps;
- the forward exchange rates at the balance sheet date, with the resulting value discounted back to present value, for the fair value of forward foreign exchange contracts;
- other techniques, such as discounted cash flow analysis, used to determine the fair value of remaining financial instruments.

The table below shows the three-level hierarchy of the financial instruments measured at fair value:

Level 1. Quoted prices in active markets for the same instruments;

Level 2. Quoted prices in active markets for similar assets or liabilities, or other valuation techniques for which all significant inputs are based on observable market data; and

Level 3. Valuation techniques for which significant input is not based on observable market data.

(€'000)	Notes	Level 1	Level 2	Level 3	Total
At 31 December 2015					
Financial assets					
Available-for-sale financial assets					
- Equity shares	XIV	267,487	-	14,435	281,922
- Debt instruments		2,158,938	-	-	2,158,938
Financial assets held for trading					
- Forward foreign exchange	XV	-	6,897	-	6,897
Derivatives used for hedging					
- Forward foreign exchange	XVI	-	1,538	-	1,538
Total financial assets		2,426,425	8,435	14,435	2,449,295
Financial liabilities					
Financial liabilities held for trading					
- Forward foreign exchange	XV	-	4,533	-	4,533
Total financial liabilities		-	4,533	-	4,533

(€'000)	Notes	Level 1	Level 2	Level 3	Total
At 31 December 2014					
Financial assets					
Available-for-sale financial assets					
- Equity shares	XIV	152,141	-	9,782	161,923
- Debt instruments		3,589,003	-	-	3,589,003
Financial assets held for trading					
- Forward foreign exchange	XV	-	6,834	-	6,834
Total financial assets		3,741,144	6,834	9,782	3,757,760
Financial liabilities					
Financial liabilities held for trading					
- Forward foreign exchange	XV	-	6,723	-	6,723
Derivatives used for hedging					
- Forward foreign exchange	XVI	-	425	-	425
Total financial liabilities		-	7,148	-	7,148

Financial instruments classified in level 3 relate solely to minority long-term participating interests of Euroclear Bank:

- SWIFT equity shares are re-measured each time there is a re-balancing exercise according to SWIFT's Articles of Association (i.e. every three years), at that time an indication about equity share value is provided.
- Monte Titoli equity shares have no quotation nor price indication. The valuation is based on market multiples. More specifically, the multiple used is the median P/E of a peer group (companies in the same industry enjoying strong ratings) for a three-year period, to smoothen somewhat market volatility in our assessment.
- At the end of 2013, NYSE-Euronext equity shares were classified in level 3 as their quotation was suspended. Since their conversion into ICE equity shares, for which a quotation is readily available, they have been reclassified into level 1.
- Acadiasoft equity shares bought in 2015 have no quotation nor price indication, the actual valuation is the acquisition cost.

The table below shows the reconciliation of the level 3 fair value measurements:

(€'000)	Notes	At 31 December 2014	Transfer in/(out) of level 3	Fair value adjustment released in profit or loss	Fair value adjustment recognised in equity	(Disposals)/ acquisitions	At 31 December 2015
Financial assets							
Available-for-sale financial assets	XIV						
- Equity shares		9,782	-	(21)	110	4,564	14,435
Total financial assets		9,782	-	(21)	110	4,564	14,435

(€'000)	Notes	At 31 December 2013	Transfer in/(out) of level 3	Fair value adjustment released in profit or loss	Fair value adjustment recognised in equity	(Disposals)/ acquisitions	At 31 December 2014
Financial assets							
Available-for-sale financial assets	XIV						
- Equity shares		11,673	(1,558)	(606)	270	3	9,782
Total financial assets		11,673	(1,558)	(606)	270	3	9,782

III.2.3. Market risk

Market risk is the risk of losses in (on or off balance-sheet) positions arising from adverse movements in market prices. Market risk arises from possible changes in foreign exchange rates, interest rates, equity or commodity prices.

III.2.3.a. Market risk in Euroclear

Euroclear Bank

The majority of market risk in the group is concentrated at Euroclear Bank. As part of the Market Risk Board Policy, an adequate risk framework has been put in place to measure, monitor and control the interest rate and foreign exchange risk supported by Euroclear Bank. Value-at-Risk (VaR) methodologies are used to measure interest rate and currency risk. The Management Committee of Euroclear Bank sets VaR limits for all currencies combined, which are monitored daily.

By policy, Euroclear Bank's core equity (shareholders' equity plus retained earnings) is invested in debt instruments rated AA- or higher. The duration of these assets is limited, by policy, to five years and is currently around seven months.

Euroclear SA/NV and the Euroclear CSDs

Interest rate risk exists only to a limited extent in the CSDs and in Euroclear SA/NV. Indeed, the CSDs do not operate commercial cash accounts but invest their cash positions in accordance with regulatory liquidity requirements. The duration of the investments cannot exceed three years, and the types of instruments to be used are limited to straight overnight or term deposits.

Foreign exchange risk is also very limited in the CSDs and in Euroclear SA/NV. To avoid the potential foreign exchange risk that could arise from the investment of their surplus cash, these investments can only be made in their local currency, meaning in EUR for entities whose functional currency is EUR, in GBP for the entities located in the United Kingdom, and in SEK for the Swedish entities. The most significant source of foreign exchange risk stems from the potential change in net asset values of Euroclear SA/NV's non-euro shareholdings (for example Euroclear UK & Ireland and Euroclear Sweden).

III.2.3.a.1. Interest rate risk

Euroclear typically has net long cash positions and its earnings therefore are sensitive to future changes in interest rates.

The table below shows the interest rate sensitivity of Euroclear's Banking Book positions. The figures relate to Euroclear SA/NV consolidated, as communicated to the National Bank of Belgium in the framework of standardised reporting under Pillar 2 of Basel. The figures for Euroclear plc are not expected to diverge materially from the content of this table. Assets and liabilities held in the Banking Book are predominantly denominated in euro, and they are expressed at market value for the purpose of this disclosure. The economic value of the Banking Book is computed by discounting the future cash flows for assets and liabilities present in this book.

The sensitivity of the economic value of the Banking Book to interest rate shocks is presented in the first column of the table below. The change in value mainly arises from the assets held in the Investment and Hedging Books of Euroclear Bank. Indeed, assets and liabilities of the Treasury Book are almost fully matched and have no material impact on this sensitivity measure.

The remainder of the table illustrates to which extent the net interest income of Euroclear Bank is sensitive to interest rate movements, compared to the amount earned in 2015. For the purpose of this disclosure, the latter is limited to pounds sterling, US dollars, euros, Australian dollars and Russian rubles, as is the analysis of future earnings sensitivity.

(€'000)	Economic value of banking book	Interest result	Income sensitivity
		Effective 2015	Interest result Expected 2016
increase/(decrease) of interest rate, in basis points			
300	1,718,238		379,653
200	1,735,908		282,707
100	1,753,823		184,554
-	1,771,990	71,023	98,866
(100)	1,790,416		49,577
(200)	1,809,108		34,346
(300)	1,828,075		32,165

(€'000)	Economic value of banking book	Interest result	Income sensitivity
		Effective 2014	Interest result Expected 2015
increase/(decrease) of interest rate, in basis points			
300	1,798,619		437,250
200	1,815,734		324,274
100	1,832,991		209,875
-	1,850,394	62,719	95,901
(100)	1,867,946		52,174
(200)	1,885,651		47,710
(300)	1,903,514		45,308

The table below reflects the interest rate risk profile of assets and liabilities at 31 December, based on the earlier of maturity date and interest rate resetting date.

(€'000)	Repayable on demand or within one week	Other amounts maturing within 3 months	Maturity between 3 and 6 months	Maturity between 6 months and 1 year	Maturity between 1 and 5 years	Maturity after 5 years	Non-interest bearing	Total
At 31 December 2015								
Assets								
- Cash and balances with central banks	3,398,943	-	-	-	-	-	303	3,399,246
- Loans and advances	10,333,972	1,535,902	2,489,458	88,500	76,837	10,000	10,899	14,545,568
- Available-for-sale financial assets	395,017	625,147	414,174	212,991	505,009	-	288,522	2,440,860
- Financial assets held for trading	6,864	33	-	-	-	-	-	6,897
- Derivatives used for hedging	-	399	389	750	-	-	-	1,538
- Other assets	-	-	-	-	-	-	1,487,845	1,487,845
Total assets	14,134,796	2,161,481	2,904,021	302,241	581,846	10,000	1,787,569	21,881,954
Liabilities								
- Deposits from central banks	1,193,265	-	-	-	-	-	2	1,193,267
- Deposits from banks and customers	16,404,782	214,294	15,500	-	-	-	530	16,635,106
- Financial liabilities held for trading	4,533	-	-	-	-	-	-	4,533
- Other liabilities	-	-	-	-	-	-	674,751	674,751
Shareholders' equity	-	-	-	-	-	-	3,374,297	3,374,297
Total liabilities and shareholders' equity	17,602,580	214,294	15,500	-	-	-	4,049,580	21,881,954
Total interest sensitivity gap	(3,467,784)	1,947,187	2,888,521	302,241	581,846	10,000	(2,262,011)	-
Cumulative gap	(3,467,784)	(1,520,597)	1,367,924	1,670,165	2,252,011	2,262,011	-	-

(€'000)	Repayable on demand or within one week	Other amounts maturing within 3 months	Maturity between 3 and 6 months	Maturity between 6 months and 1 year	Maturity between 1 and 5 years	Maturity after 5 years	Non-interest bearing	Total
At 31 December 2014								
Assets								
- Cash and balances with central banks	2,413,810	-	-	-	-	-	-	2,413,810
- Loans and advances	11,854,868	4,105,131	2,037,808	16,419	199,097	12,000	4,681	18,230,004
- Available-for-sale financial assets	677,017	2,220,458	195,443	476,901	-	-	181,107	3,750,926
- Financial assets held for trading	6,834	-	-	-	-	-	-	6,834
- Other liabilities	-	-	-	-	-	-	1,481,250	1,481,250
Total assets	14,952,529	6,325,589	2,233,251	493,320	199,097	12,000	1,667,038	25,882,824
Liabilities								
- Deposits from central banks	2,242,662	-	-	-	-	-	-	2,242,662
- Deposits from banks and customers	19,539,119	185,270	2,958	-	-	-	524	19,727,871
- Financial liabilities held for trading	6,723	-	-	-	-	-	-	6,723
- Derivatives used for hedging	-	101	105	219	-	-	-	425
- Other liabilities	-	-	-	-	-	-	644,609	644,609
- Subordinated liabilities	-	-	98,005	-	-	-	2,277	100,282
Shareholders' equity	-	-	-	-	-	-	3,160,252	3,160,252
Total des passifs et capitaux propres	21,788,504	185,371	101,068	219	-	-	3,807,662	25,882,824
Total interest sensitivity gap	(6,835,975)	6,140,218	2,132,183	493,101	199,097	12,000	(2,140,624)	-
Cumulative gap	(6,835,975)	(695,757)	1,436,426	1,929,527	2,128,624	2,140,624	-	-

Interest sensitivity gap

A negative interest rate sensitivity gap exists when more liabilities than assets re-price or mature during a given period. A negative gap position tends to benefit net interest income in a declining interest rate environment and vice versa.

Key components

The following table analyses the nature of cash and balances with central banks:

(€'000)	2015	2014
At 31 December		
Cash in hand	34	14
Loans and advances	3,399,187	2,413,463
Monetary reserve	25	333
Total cash and balances with central banks	3,399,246	2,413,810

Euroclear Bank and other group entities had deposited €3,398,842,000 (2014: €2,413,155,000) of surplus funds with central banks. Amongst other reasons Euroclear Bank, like other banks, is required to comply with average monetary reserve requirements determined by the European Central Bank (ECB). Throughout each period set by the ECB, Euroclear Bank deposits varying amounts in its monetary reserve account at the National Bank of Belgium in order to meet the average requirement for that period.

The following table analyses the nature of loans and advances:

(€'000)	2015	2014
Surplus funds	13,577,700	16,868,933
Loans and advances	967,868	1,361,071
Total	14,545,568	18,230,004

The fair value of the loans and advances with an initial maturity greater than one year at 31 December 2015 was €241,471,000 (2014: €218,482,000)

The following table analyses the nature of deposits from banks and clients:

(€'000)	2015	2014
Deposits	15,776,019	16,881,086
Borrowings	859,087	2,846,785
Total	16,635,106	19,727,871

There is no deposit with a maturity greater than one year at 31 December 2015.

The following table analyses the nature of deposits from central banks:

(€'000)	2015	2014
Deposits	1,185,378	1,402,006
Borrowings	7,889	840,656
Total	1,193,267	2,242,662

III.2.3.a.2. Foreign exchange risk

The group's entities have the euro as their functional currency, with the exception of subsidiaries and joint venture located in the United Kingdom or Sweden.

The group's structural currency exposures as at 31 December 2015 and 31 December 2014 were as follows:

(€'000)	Net Investment in non-euro operations	Currency hedges other than borrowings	Remaining structural currency exposures
Functional currency of the operation involved			
At 31 December 2015			
- US dollar	8,857	-	8,857
- Pound Sterling	117,135	-	117,135
- Swedish krona	55,637	-	55,637
<hr/>			
At 31 December 2014			
- US dollar	13,892	-	13,892
- Pound Sterling	120,789	-	120,789
- Swedish krona	54,509	-	54,509

The table below summarises the group's exposure to foreign currency exchange rate risk at 31 December. Included in the table are the group's assets and liabilities at carrying amounts, categorised by currency.

Concentration of assets and liabilities per currency (€'000)	Euro	US dollar	Japanese yen	Pound sterling	Other	Total
At 31 December 2015						
Total assets	9,764,987	8,326,547	437,433	1,529,531	1,823,456	21,881,954
Total liabilities and shareholders' equity	9,270,052	8,458,028	830,802	1,562,798	1,760,274	21,881,954
Net balance sheet position	494,935	(131,481)	(393,369)	(33,267)	63,182	-

The net non-euro balance sheet positions mainly reflect a combination of outstanding currency swaps and the net assets of subsidiaries and branches located in the United Kingdom and Sweden.

Concentration of assets and liabilities per currency (€'000)	Euro	US dollar	Japanese yen	Pound sterling	Other	Total
At 31 December 2014						
Total assets	11,907,702	10,016,350	672,245	1,367,499	1,919,028	25,882,824
Total liabilities and shareholders' equity	11,032,140	10,737,546	740,996	1,291,421	2,080,721	25,882,824
Net balance sheet position	875,562	(721,196)	(68,751)	76,078	(161,693)	-

III.2.3.b. Market risk appetite for Euroclear Bank

Market transactions are carried out at the discretion of Euroclear Bank, which accepts market risk only within its low risk appetite. Euroclear Bank complies with internal market limits, such as Value-at-Risk (VaR).

Euroclear Bank adheres to the following principles relating to the management of market risk. Euroclear Bank does not engage in any activity that is not considered as part of its normal business or a consequence of its clients' activity, and as such will not engage in trading (even if, under IFRS, certain transactions in derivatives do not qualify as hedges and are therefore recognised under trading activities). The activities and instruments in which Euroclear Bank can engage must be in line with its low-risk profile. Euroclear Bank is not significantly exposed to equity risk or commodity risk. A prudent investment strategy is applied in order to preserve the core equity of Euroclear Bank. In particular, the assets of the investment book can only be invested in highly rated and liquid debt instruments (with the exception of intra-company loans) and an appropriate hedging strategy may be applied so as to protect future earnings against adverse market conditions.

III.2.3.c. Market risk mitigation (hedging)

Euroclear Bank has engaged in a series of market derivatives in order to hedge the forex risk exposure resulting from future income streams, with the aim of ensuring that the financial results are not adversely affected by market evolutions ('predictability of future revenues'). Such transactions are classified as cash flow hedges.

It is compliant with market expectations that Euroclear Bank conducts its business prudently, as a single purpose bank.

III.2.3.d. Market risk measurement

The market risk relative to the management of the available for sale portfolio is measured using a VaR methodology. The VaR for a portfolio is the maximum loss over a determined time horizon at a given confidence level (99%). The VaR model assumes a holding period, until positions can be closed, of one day. The market parameters are derived from the volatility and correlation observed from historical daily changes.

Euroclear Bank has to comply with a global VaR limit, as well as VaR limits by book. The market risk exposure that Euroclear Bank takes is segregated in the following books: Investment Book (all securities purchased by Euroclear Bank with the proceeds of its own equity); Treasury Book (assets, liabilities and commitments resulting from the activity of Euroclear Bank Clients); and Hedging Book (market transactions that are conducted to manage the risk exposure resulting from future income streams).

The VaR model is back tested twice a year.

Given its low market risk appetite and the fact that Euroclear Bank does not engage in trading activities, the VaR figures are low.

(€'000)	2015 average	2015 min	2015 max	2014 average	2014 min	2014 max
Investment book IR risk	372	105	1,183	241	48	470
Treasury book FX risk	26	5	125	15	2	110
Hedging book	678	117	1,588	397	80	1,012
Aggregate VaR (Hedging & Investment book)	796	181	1,575	459	197	1,014

III.3. Capital management**III.3.a. Capital measurement and allocation**

The internal view on Euroclear Bank's capital needs is based on economic capital models, which estimate the amount of capital that Euroclear needs to have in order to protect itself from unexpected losses resulting from the risks it faces in its various activities. This view is complemented by what-if loss scenarios that are continuously kept up-to-date and regularly validated by an independent party. Euroclear Bank is therefore confident that the resulting capital requirements are adequate to support the risks that it faces. The capital requirement model covers operational and credit risks. In addition, Euroclear Bank maintains models that estimate the uncertainty on the loss absorption capacity over a one year horizon due to movements in market risk and business risk factors. This conservative approach to capital, combined with Euroclear's strong risk management and effective controls, has helped Euroclear Bank retain high credit ratings in times of market stress. Euroclear Bank is assigned a AA+ credit rating by Fitch Ratings and a AA credit rating by Standard & Poor's (S&P).

The National Bank of Belgium (NBB) is the main supervisor of Euroclear Bank, the lead regulator for Euroclear SA/NV and, for consolidated capital adequacy purposes only, Euroclear plc. In addition, individual Euroclear CSDs are regulated by their own local supervisors, which set and monitor compliance with their capital adequacy and liquidity requirements.

In accordance with the Basel framework, each bank or banking group is required to maintain a ratio of total capital to risk-weighted assets that cannot fall under a threshold of 8%, and a ratio of common equity Tier 1 capital to risk-weighted assets that must exceed a threshold of 4,5%. In addition to a capital conservation buffer, Euroclear will hold an additional buffer of 0.75% common equity Tier1, as it has been designated as 'other systemic institution' (O-SII) in Belgium. Given the current capital base and risk profile, above conditions are easily met.

Euroclear determines risk-weighted assets for both credit and operational risk.

For credit risk, Euroclear uses the Foundation Internal Ratings Based Approach (FIRBA). Risk-weighted assets take into consideration balance sheet assets and off-balance-sheet exposures that may give rise to credit risk, as calculated for both Euroclear Bank and the group on a consolidated basis. Collateral and other eligible guarantees are taken into account appropriately.

For operational risk, Euroclear is permitted by the NBB to use the Advanced Measurement Approach (AMA) for the calculation of Pillar 1 capital requirements. Euroclear uses a hybrid approach at all consolidated levels above Euroclear Bank, by combining the AMA for Euroclear Bank with a Standardised or Basic Indicator Approach for the group's other entities.

In addition to the capital ratios, Euroclear Bank will have to comply with the leverage ratio as of 2018. Current requirement is 3%. Euroclear's current levels of the leverage ratio are already well above this regulatory requirement and will be disclosed in the pillar3 publication.

The table below sets out the group's Tier 1 and total capital, which both comfortably exceed the regulatory requirements.

III.3.b. Regulatory capital position

(€'000)	2015	2014
Risk-weighted assets (1)	5,764,448	5,801,355
Capital requirement	461,156	464,108
- Credit risk	143,136	150,260
- Market risk	26,103	25,788
- Operational risk	291,917	288,060
Capital base (2)	2,259,947	2,214,960
- Tier 1	2,259,947	2,214,960
- Tier 2	-	-
Solvency ratio		
- Tier 1	39.2%	38.2%
- Total	39.2%	38.2%

¹ Risk-weighted assets (unaudited) represent the total capital requirement multiplied by a factor of 12.5. This means that the risk-weighted assets do not only relate to credit and market risk, but also comprise the gross-up of the capital requirements related to operational risks. For Euroclear, the latter are the main source of capital consumption.

² Capital base is highly comparable to the shareholders' equity presented in the Statement of financial positions. Differences are due to deductions required by CRD IV regulation, mainly goodwill and intangible assets, current year proposed dividend, limits on investments in financial sector entities, cash-flow hedging reserve and provision shortfall for expected losses.

IV. Critical accounting estimates and judgements

The Euroclear group makes estimates and assumptions that affect the reported amounts of assets and liabilities. These estimates are considered to be important to understand the group's financial condition, since they require management to make complex and subjective judgements, some of which may relate to matters that are inherently uncertain. Estimates and judgements are continually evaluated and based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances.

IV.1. Impairment of goodwill and contractual customers' relationships with an indefinite useful life

The group tests goodwill and contractual customers' relationships for impairment annually (during the fourth quarter), irrespective of whether there is an indication of impairment. Furthermore, the group remains alert for indicators of impairment throughout the year and conducts a high-level impairment review at each quarter end.

Such impairment reviews are deemed to detect:

- overpayment;
- under-performance compared with expectations; and
- significant changes with an adverse effect on the acquired business. Such changes can stem from, for example, new business parameters (e.g. volatility of stock markets, changes in the volume of securities safekept on behalf of customers, ...) or from changes in market data used to determine the cost of capital of the acquired businesses.

An impairment loss is recognised whenever the recoverable amount of the goodwill is less than its carrying amount (book value). The recoverable amount of an asset is the higher of its net selling price and its value in use, both based on present value calculations.

- Net selling price is the amount obtainable from the sale of an asset in an arm's length transaction between knowledgeable willing parties, less the cost of disposal.
- Value in use is the amount obtainable from the use of an asset until the end of its useful life and from its subsequent disposal. Value in use is calculated as the present value of estimated future cash flows. The value in use calculation may take into account not only the post-acquisition performance of the acquired entity itself, but also the changes in cash flows in other entities in the group that are positively or negatively affected by the acquisition.

No impairment charge was deemed necessary at the end of 2014 and 2015. See Note XVIII.

Contractual customers' relationships with an indefinite useful life relate to the acquisition of Euroclear Belgium.

IV.2. Provisions

A provision is a liability of uncertain timing or amount. At each reporting year, the necessity to record or adjust provisions is considered based on the latest information available.

Onerous lease provisions are recognised when a decision has been taken to vacate premises leased by the Company and when the space is expected to remain empty or to be sub-let at terms and conditions below those in the Euroclear lease. The provision represents the lower of the cost to breach the contract and the cost of fulfilling it, taking into account the expected benefits that might be received under a sub-lease, providing the entity is actively seeking to sub-let the property.

Provisions for onerous contracts are recognised when the Company has a contract that is onerous. The provision represents the best estimate of the unavoidable costs of the obligations under the contract over the economic benefits expected to be received under it.

Provisions for redundancy are recognised when a decision has been made, a formal plan exists and the main features are known by those affected. The provision represents the best estimate of the full cost to be incurred to implement the plan.

Provisions for dilapidation, or end-of-lease obligations, are recorded when Euroclear is contractually bound to incur such costs and a reliable estimate can be made.

Provisions for litigation are recorded when there are strong indications that costs will be incurred to settle the legal cases concerned and a reliable estimate can be made.

IV.3. Defined benefit plans

The present value of the defined benefit plan obligations depends on a number of factors that are determined on an actuarial basis using a number of assumptions. Any changes in these assumptions will impact the carrying amount of the obligations.

The assumptions used in determining the net cost/(income) for the plans include the discount rate at the end of each year. This is the interest rate that should be used to determine the present value of estimated future cash outflows expected to be required to settle the plan obligations. In determining the appropriate discount rate, the group considers the interest rates of high-quality corporate bonds that are denominated in the currency in which the benefits will be paid and that have terms to maturity approximating the terms of the related plan liability.

Other key assumptions for plan obligations are based in part on current market conditions.

The major assumptions used are shown in Note XX.

IV.4. Deferred tax assets

Deferred tax assets are recognised to reflect the future tax benefit from unused tax losses or tax credits and other temporary differences. If there is a concern about the relevant entities' capacity to utilise the tax assets within a reasonable (10-year) period, the assets are impaired, even when there remains a possibility to benefit longer term if sufficient taxable profits arise. The 10-year period is considered reasonable in view of the activities of the Euroclear group entities and the sector in which they operate.

IV.5 Impairment of available-for-sale equity investments

The group determines that available-for-sale equity investments are impaired when there has been a significant or prolonged decline in the fair value below its cost. This determination of what is significant or prolonged requires judgement. In making this judgement, the group evaluates among other factors, the normal volatility in share price. In addition, impairment may be appropriate when there is evidence of a deterioration in the financial health of the investee, industry and sector performance, changes in technology, and operational and financing cash flows. The group determines that available-for-sale equity investments are impaired when there is a constant decrease of fair value of more than 50% compared with the fair value at inception for a period greater than one year.

Where appropriate, the group has recourse to adequate valuation techniques (e.g. discounted cash flows, market multiples) to estimate the value of non-quoted available-for-sale equity investments, as explained in section III.

As far as such investments are concerned, no indicator of impairment has been detected. The group, therefore, estimates that their respective values in the accounts of the relevant acquiring company are still justified.

V. Segment analysis

The Euroclear SA/NV Management Committee receives internal reports for Euroclear Bank, Euroclear SA/NV, Euroclear UK & Ireland, the ESES CSDs and NCSD.

The reportable business segments are as follows:

- Euroclear Bank (including its Hong Kong branch and its Polish branch) is an International Central Securities Depository (ICSD);
- Euroclear SA/NV (including its branches in Amsterdam, London and Paris) is the provider of software development and non-operational support services to the (I)CSDs;
- Euroclear UK & Ireland is the Central Securities Depository (CSD) subsidiary located in the United Kingdom. This entity also runs an investment fund order routing business;
- the ESES segment includes the group's CSD subsidiaries located in Belgium, France and the Netherlands; and
- the NCSD segment includes two companies: Euroclear Sweden (CSD in Sweden) and Euroclear Finland (CSD in Finland).

Information reported within 'Other' relates to a Special Purpose Vehicle (SPV) established in connection with the issuance of subordinated debt qualifying as capital for Euroclear Bank, and to a property development company whose property is leased almost entirely to Euroclear SA/NV. None of these qualified as a reportable segment in 2015 or 2014.

The risks and returns associated with Euroclear Bank's ICSD services do not vary geographically and, accordingly, is considered as one geographical segment. The activities of all other segments are within Europe.

No single customer generated 10% or more of the group's revenues.

Transactions between the companies are on normal commercial terms and conditions. Recharges of software development costs and support services are based on formal agreements between the entities concerned.

Segment assets and liabilities comprise all third-party assets and liabilities.

(€'000)	Notes	2015						Eliminations	Group
		Euroclear Bank	Euroclear SA/NV	Euroclear UK & Ireland	ESES CSDs	NCSD	Other		
Net interest income	VI	96,936	680	984	796	(195)	(241)	-	98,960
Net fee and commission income	VII	569,125	(8)	136,419	187,650	89,613	(5)	(32)	982,762
Intra-group recharges		512	488,264	122	437	745	-	(485,499)	4,581
Other income		33,852	260,933	(7)	3,504	9	6,186	(256,773)	47,704
Operating income		700,425	749,869	137,518	192,387	90,172	5,940	(742,304)	1,134,007
Staff costs	X	(124,965)	(258,044)	(8,537)	(19,125)	(17,179)	-	-	(427,850)
Other direct costs	X	(28,653)	(209,529)	(4,839)	(7,193)	(22,107)	(3,078)	10,029	(265,370)
Depreciation and amortisation	XVII, XVIII	(1,632)	(21,057)	(45)	(872)	(2,856)	(1,525)	-	(27,987)
Royalty fees		(25,678)	-	(510)	(575)	(294)	-	1,379	(25,678)
Group non-operational and Administrative support services		(290,940)	(1,774)	(68,575)	(110,855)	(14,509)	(19)	485,499	(1,173)
Share of result in joint venture		-	(6,520)	-	-	-	-	-	(6,520)
Operating profit/(loss) before impairment and taxation		228,557	252,945	55,012	53,767	33,227	1,318	(245,397)	379,429
Impairment	XI	(288)	(162)	(18)	(103)	(186)	-	-	(757)
Operating profit/(loss) before taxation		228,269	252,783	54,994	53,664	33,041	1,318	(245,397)	378,672
Taxation	XII	(68,796)	2,360	(11,268)	(17,849)	(7,072)	(393)	-	(103,018)
Profit/(loss) for the year		159,473	255,143	43,726	35,815	25,969	925	(245,397)	275,654
External revenues		1,121,392	21,476	143,134	171,198	87,952	(293)	-	1,544,859
Revenues from other segments		11,153	729,482	1,133	26,116	4,039	8,510	(780,433)	-
Total revenues		1,132,545	750,958	144,267	197,314	91,991	8,217	(780,433)	1,544,859
Segment assets		19,747,105	1,424,175	133,051	199,408	349,869	28,346	-	21,881,954
Segment liabilities		18,237,908	177,734	9,839	44,950	36,648	578	-	18,507,657

(€000)	Notes	2014						Eliminations	Group
		Euroclear Bank	Euroclear SA/NV	Euroclear UK & Ireland	ESES CSDs	NCSD	Other		
Net interest income	VI	87,816	1,565	610	210	434	(238)	-	90,397
Net fee and commission income	VII	537,317	(10)	123,003	179,228	83,975	(5)	(43)	923,465
Intra-group recharges		329	448,224	141	2,055	551	-	(449,483)	1,817
Other income		21,415	259,154	147	4,124	(105)	6,825	(266,902)	24,658
Operating income		646,877	708,933	123,901	185,617	84,855	6,582	(716,428)	1,040,337
Staff costs	X	(117,380)	(235,668)	(7,380)	(17,893)	(13,685)	-	-	(392,006)
Other direct costs	X	(33,332)	(199,586)	(4,539)	(6,695)	(24,481)	(3,511)	10,544	(261,600)
Depreciation and amortisation	XVII, XVIII	(1,358)	(18,873)	(53)	(877)	(2,078)	(1,491)	-	(24,730)
Royalty fees		(23,602)	-	(421)	(545)	(282)	-	1,248	(23,602)
Group non-operational and Administrative support services		(279,059)	(2,979)	(57,989)	(102,393)	(7,919)	(19)	449,483	(875)
		-	(521)	-	-	-	-	-	(521)
Operating profit/(loss) before impairment and taxation		192,146	251,306	53,519	57,214	36,410	1,561	(255,153)	337,003
Impairment	XI	202	(533)	(9)	(111)	(235)	-	-	(686)
Operating profit/(loss) before taxation		192,348	250,773	53,510	57,103	36,175	1,561	(255,153)	336,317
Taxation	XII	(52,995)	17,202	(11,432)	(19,343)	(7,681)	(407)	-	(74,656)
Profit/(loss) for the year		139,353	267,975	42,078	37,760	28,494	1,154	(255,153)	261,661
External revenues		1,035,864	9,178	128,932	162,197	82,544	218	-	1,418,933
Revenues from other segments		9,732	700,687	973	27,316	3,808	11,001	(753,517)	-
Total revenues		1,045,596	709,865	129,905	189,513	86,352	11,219	(753,517)	1,418,933
Segment assets		23,941,085	1,261,173	132,760	197,340	320,104	30,362	-	25,882,824
Segment liabilities		22,343,786	184,772	14,740	44,701	30,311	104,262	-	22,722,572

The €245,397,000 remaining in the Eliminations column relates to dividends received from companies within the group (2014: €255,153,000).

VI. Net interest income

(€'000)	Notes	2015	2014
Interest income on financial instruments			
- Cash and balances with central banks		1,792	3,865
- Loans and advances		127,160	106,756
- Available-for-sale financial assets		(4,203)	1,583
Interest income on defined benefit plans	XX	9	49
Total interest income		124,758	112,253
Interest expense on financial instruments			
- Deposits from central banks		(4,081)	(61)
- Deposits from banks and customers		(17,890)	(15,853)
- Subordinated liabilities		(1,878)	(4,155)
Interest expense on defined benefit plans	XX	(1,949)	(1,787)
Total interest expense		(25,798)	(21,856)
Net interest income		98,960	90,397

VII. Net fee and commission income

(€'000)	2015	2014
Fee and commission income		
Clearing and settlement	396,320	384,851
Custody	624,275	575,801
Other	347,221	319,553
Total fee and commission income	1,367,816	1,280,205
Fee and commission expense		
Clearing and settlement	(72,906)	(72,889)
Custody	(178,364)	(160,818)
Other	(133,784)	(123,033)
Total fee and commission expense	(385,054)	(356,740)
Net fee and commission income	982,762	923,465

Other fee and commission income mainly relates to communication fees and the recovery of out-of-pocket expenses incurred on behalf of clients, issuer services fees earned by Euroclear Finland and Euroclear Sweden, and revenue earned by Euroclear UK & Ireland for collecting Stamp Duty Reserve Tax on behalf of HM Revenue & Customs in the United Kingdom and Stamp Duty on behalf of the Irish Revenue Commissioners.

Other fee and commission expense mainly relates to fees incurred on behalf of clients as well as other fees for collateral leasing and back-stop facilities.

VIII. Realised gains/(losses) on investment securities

(€'000)	Notes	2015	2014
Available-for-sale financial assets - fair value adjustment recognised in equity and released in profit or loss during the period - equity shares		20	606
Total		20	606

IX. Net gains/(losses) on financial assets and liabilities held for trading

(€'000)	2015	2014
Foreign exchange trading	25,871	12,988
Total	25,871	12,988

The net gains on foreign exchange trading relate to treasury swaps initiated by Euroclear Bank in order to convert balances in non-core currencies into euro or US dollars for re-investment purposes. Under IFRS, these results may not be included within net interest income.

X. Administrative expenses

(€'000)	Notes	2015	2014
Staff costs			
- Wages and salaries		305,513	282,910
- Social security costs		74,014	70,356
- Defined benefit plans	XX	19,537	14,766
- Defined contribution plans		6,579	5,845
- Other staff costs		22,207	18,129
Royalty fees	XXVII	25,678	23,602
Auditors' remuneration		2,123	2,023
Consultants' fees		148,863	127,951
Occupancy		42,206	41,709
Maintenance and repairs		37,070	32,779
Communications		6,923	7,841
Other taxes		4,785	5,711
Depreciation and amortisation	XVII, XVIII	27,987	24,730
Other administrative expenses		25,969	42,884
Provisions for liabilities and charges	XIX	(1,396)	1,577
Total		748,058	702,813

The average number of persons employed by the group during the year was 3,857 (2014: 3,679).

The auditors' remuneration for Euroclear SA/NV and its subsidiary undertakings was as follows:

(€'000)	2015	2014
Fees payable to the Company's auditor for the audit of the Company's annual accounts	511	458
Fees payable to the Company's auditor and its associates for other services:		
- The audit of the Company's subsidiaries, pursuant to legislation	888	772
- Other attest and assurance services	697	681
- Tax services	9	-
- Other services	18	112
Fees included in the consolidated financial statements	2,123	2,023
Fees in respect of investments accounted for using the equity method	28	-
Total	2,151	2,023

Euroclear ensures that the independence of the external auditor is preserved through a specific policy adopted by the Board and agreed by PwC. This policy adheres to the highest standards of independence. The engagement of the external auditor for non-core services is subject to specific controls, monitored by the Board's Audit Committee.

XI. Impairment

(€'000)	Notes	2015	2014
Impairment charges			
Goodwill and intangible assets	XVIII	-	635
Other assets		757	51
Total		757	686

(€'000)	2015	2014
Impairment of other assets		
At 1 January	1,568	2,289
Charge to the income statement	757	51
Amounts used	(31)	(732)
Exchange differences	22	(40)
At 31 December	2,316	1,568

Other assets are principally made of amounts invoiced to and receivable from third party clients, Euroclear Bank's coupons and redemption proceeds, advances paid to suppliers, recoverable VAT and guarantee deposits.

For other assets, impairment mainly relates to fees receivable from clients in several of the group's (I)CSD subsidiaries, and to miscellaneous other receivables, the recovery of which is at least partially in doubt.

XII. Taxation

(€'000)	2015	2014
Current income tax expense	109,518	96,042
Adjustments to tax charge in respect of previous years	(1,305)	(683)
	108,213	95,359
Deferred tax charge/(income) relating to the origination and reversal of temporary differences	(5,195)	(20,712)
Deferred tax charge/(income) resulting from change in tax rate	-	9
Tax expense for the year	103,018	74,656

Further information on deferred tax is presented in Note XIII.

The tax on the group's profit before tax differs from the theoretical amount that would arise from using the standard rate as follows:

(€'000)	2015	2014
Operating profit/(loss) before tax	378,672	336,317
At standard rate of tax (1)	103,037	89,662
Effects of:		
- Notional interest on capital	(8,029)	(12,664)
- Expenses not deductible for tax purposes	8,636	11,354
- Elimination of intercompany dividends	(322)	(2,058)
- Income not subject to tax	(273)	(223)
- Disposal of subsidiaries	174	132
- Share of net tax (profit)/loss of investments accounted for using equity method	2,216	177
- Different rates in the companies of the group	9,766	10,421
- Change of tax rate on deferred taxation	-	9
- Utilisation/reversals of past derecognised deferred tax assets	(10,882)	(21,471)
- Adjustments to tax charge in respect of previous years	(1,305)	(683)
Tax expense for the year	103,018	74,656

(1) A rate of 27.21% (2014: 26.66%), representing the effective tax rate (before reversal of impairment), for the group, has been used as the standard rate.

Since 1 January 2006, the group entities in Belgium benefit from a tax reduction linked to a notional interest on capital.

The current income tax asset of €13,679,000 at 31 December 2015 (2014: €16,952,000) represents the total of amounts recoverable from the tax authorities relating to over-payments of income tax pre-payments, prior year adjustments and R&D tax credit.

The net tax effect linked to the intercompany dividends eliminated for consolidation purposes have been considered separately in order to adequately reflect the impact of this item of reconciliation on the tax expense. The expenses not deductible for tax purposes include the other tax effects of consolidation adjustments not subject to deferred tax.

The year-to-year variation of the effect of the different rates applicable to the companies within the group is explained by a combination of factors: increase of the above group's effective tax rate, decrease of some local standard corporate income tax rates (e.g. United Kingdom) and changes in the taxable basis of certain sizeable entities.

XIII. Deferred taxation

The details of deferred taxation are as follows:

(€'000)	Total	Maturity on or before 31 December 2016	Maturity after 31 December 2016
At 31 December 2015			
Assets			
Defined benefit plans	25,045	-	25,045
Available-for-sale financial assets	(352)	296	(648)
Cash flow hedging reserve	(523)	(523)	-
Financial assets/(liabilities) held for trading	196	-	196
Software development	148	27	121
Property, plant and equipment	717	68	649
Tax losses carried forward	101,711	3,458	98,253
Other temporary differences	4,851	940	3,911
Total	131,793	4,266	127,527
Liabilities			
Defined benefit plans	(2,073)	-	(2,073)
Other temporary differences	5,833	1,205	4,628
Total	3,760	1,205	2,555

(€'000)	Total	Maturity on or before 31 December 2015	Maturity after 31 December 2015
At 31 December 2014			
Assets			
Defined benefit plans	28,919	-	28,919
Available-for-sale financial assets	209	209	-
Cash flow hedging reserve	144	144	-
Financial assets/(liabilities) held for trading	222	-	222
Software development	181	31	150
Property, plant and equipment	857	79	778
Tax losses carried forward	98,387	(5,663)	104,050
Other temporary differences	7,587	5,423	2,164
Total	136,506	223	136,283
Liabilities			
Defined benefit plans	(3,339)	-	(3,339)
Other temporary differences	5,169	607	4,562
Total	1,830	607	1,223

Deferred taxes are classified as assets or liabilities depending on the total net deferred tax asset or liability across all types of deferred tax at year-end for each entity. At 31 December 2015 and 31 December 2014, Euroclear Sweden had a net deferred tax liability.

Deferred taxation for tax losses carried forward mainly relates to Euroclear SA/NV.

Analysis of the movements of the net deferred tax asset and liability balances is as follows:

(€'000)	Notes	2015	2014
At 1 January		134,676	104,312
Income statement		5,195	20,703
Deferred tax relating to items (charged) or credited to equity			
- Defined benefit plans	XX	(10,617)	8,960
- Revaluation reserve on available-for-sale financial assets	XXIII	(560)	229
- Cash flow hedging reserve	XXIII	(667)	280
Exchange differences		6	192
At 31 December		128,033	134,676

The deferred tax income/(charge) in the income statement comprises the following temporary differences:

(€'000)	Notes	2015	2014
Defined benefit plans	XX	5,403	4,315
Financial assets/(liabilities) held for trading		(27)	-
Software development		(45)	(188)
Property, plant and equipment		(159)	(307)
Tax losses carried forward		(7,558)	1,194
Reversal of impaired tax losses carried forward		10,882	21,471
Other temporary differences		(3,301)	(5,782)
Other temporary differences impaired		-	-
Total		5,195	20,703

XIV. Available-for-sale financial assets

(€'000)	2015	2014
At 31 December		
Equity shares		
- Listed	267,487	152,141
- Unlisted but fair value determinable	14,435	9,782
Listed debt instruments	2,158,938	3,589,003
Total	2,440,860	3,750,926

All debt securities have fixed coupons.

For unlisted securities, the valuation is based on the prices at which the securities could probably be sold to willing and knowledgeable parties. These prices are determined using generally accepted valuation techniques, including discounted cash flow models and relevant market multiples.

The realised results on the available-for-sale financial assets can be found in Note VIII.

The maturity profile of the available-for-sale financial assets can be found in Note III.

The movement in available-for-sale financial assets can be summarised as follows:

(€'000)	Equity shares	Debt securities	Total
At 1 January 2015	161,923	3,589,003	3,750,926
Additions	4,552	11,461,200	11,465,752
Redemptions and disposals	(9)	(12,860,124)	(12,860,133)
Gains/losses from changes in fair value			
- (Gains)/losses on redeemed or sold securities	(21)	606	585
- Gains/(losses) on held securities	115,477	(863)	114,614
Amortisation of discounts and (premiums)	-	(18,283)	(18,283)
Net change in accrued interest	-	(12,601)	(12,601)
At 31 December 2015	281,922	2,158,938	2,440,860

(€'000)	Equity shares	Debt securities	Total
At 1 January 2014	11,673	1,483,850	1,495,523
Additions	107,531	3,581,809	3,689,340
Redemptions and disposals	-	(1,470,000)	(1,470,000)
Gains/losses from changes in fair value			
- (Gains)/losses on redeemed or sold securities	(606)	692	86
- Gains/(losses) on held securities	43,325	(640)	42,685
Amortisation of discounts and (premiums)	-	(16,457)	(16,457)
Net change in accrued interest	-	9,749	9,749
At 31 December 2014	161,923	3,589,003	3,750,926

XV. Financial instruments held for trading

XV.1. Fair value and notional amounts

At 31 December 2015 and 31 December 2014, the fair value and notional amounts of the group's trading derivatives were as follows:

(€'000)	Fair value		Notional amount	
	Assets	Liabilities	Assets	Liabilities
At 31 December 2015				
Foreign exchange derivatives				
- Forward foreign exchange	6,897	4,533	1,079,786	1,361,603
Total	6,897	4,533	1,079,786	1,361,603
At 31 December 2014				
Foreign exchange derivatives				
- Forward foreign exchange	6,834	6,723	1,694,199	532,695
Total	6,834	6,723	1,694,199	532,695

The notional amount related to forward foreign exchange contracts at 31 December 2015 and 31 December 2014 principally reflect to outstanding currency swaps.

In certain circumstances, currency forward exchange contracts are used by certain companies of the Euroclear group to hedge the fair value of some specific liabilities expressed in foreign currencies. These transactions do, however, not qualify for hedge accounting.

XVI. Derivatives used for hedging

Some of Euroclear Bank's fee income is sensitive to changes in foreign exchange rates. To protect this revenue stream from adverse movements in such rates, Euroclear Bank enters into currency forward foreign exchange contracts whereby it sells the relevant currencies on a future date at a predetermined price.

Such transactions are classified as cash flow hedges.

The positions taken on the hedging book are managed according to the following key principles:

- an exposure once hedged will not be re-opened; and
- unwinding of positions will be done only in exceptional circumstances, for instance in case of an over-hedged position.

XVI.1. Cash flow hedges

At 31 December 2015 and 31 December 2014, the fair value and notional amounts of the group's derivatives used for cash flow hedges were as follows:

(€'000)	Fair value		Notional amount	
	Assets	Liabilities	Assets	Liabilities
At 31 December 2015				
Foreign exchange derivatives				
- Forward foreign exchange	1,538	-	72,543	-
Total	1,538	-	72,543	-
At 31 December 2014				
Foreign exchange derivatives				
- Forward foreign exchange	-	425	-	54,186
Total	-	425	-	54,186

The group applies hedge accounting for expected revenue streams influenced by changes in foreign exchange rates for certain currencies.

The amounts recognised in the cash flow hedging reserve at year-end will be gradually released to the income statement (net gains/losses) on foreign exchange) in the following year, when the related cash flows materialise.

There was no *ineffectiveness* arising from cash flow hedging to be recognised in profit or loss as at 31 December 2015 and 31 December 2014.

There were no transactions for which cash flow hedge accounting had to be ceased in 2015 or 2014 as a result of the highly probable cash flows no longer expected to occur.

The movements in the cash flow hedging reserve can be detailed as follows:

(€'000)	Gross amount	Deferred tax	Net amount
At 1 January 2015	(425)	145	(280)
Amount released from other comprehensive income to profit or loss during the period	1,281	(435)	846
Change of fair value directly recognised in other comprehensive income during the year	682	(232)	450
Change to cash flow hedging reserve during the year	1,963	(667)	1,296
At 31 December 2015	1,538	(522)	1,016
At 1 January 2014	398	(135)	263
Amount released from other comprehensive income to profit or loss during the period	(2,483)	844	(1,639)
Change of fair value directly recognised in other comprehensive income during the year	1,660	(564)	1,096
Change to cash flow hedging reserve during the year	(823)	280	(543)
At 31 December 2014	(425)	145	(280)

XVI.2. Hedges of net investments in foreign operations

The group has hedged, until July 2011, part of the currency translation risk of net investments in foreign operations (EMXCo, Xtrakter, Euroclear UK & Ireland, the UK branch of Euroclear SA/NV and Euroclear Sweden).

The movements in the hedge of net investments in foreign operations reserve as at 31 December 2015 and 31 December 2014 can be detailed as follows:

(€'000)	Notes	2015	2014
At 1 January and 31 December		18,238	18,238
At 31 December		18,238	18,238

XVII. Property, plant and equipment

(€'000)	Notes	Land and buildings	Furniture and fixtures	IT equipment	Other equipment	Total
Cost						
At 1 January 2015		88,183	13,097	129,100	53,948	284,328
Additions		1,367	587	14,979	5,743	22,676
Capitalisation of dilapidation provision	XIX	-	-	-	470	470
Transfer and disposals		2,341	43	(5,402)	(3,605)	(6,623)
Exchange differences		-	116	282	483	881
At 31 December 2015		91,891	13,843	138,959	57,039	301,732
Accumulated depreciation						
At 1 January 2015		(55,443)	(7,515)	(88,489)	(31,816)	(183,263)
Depreciation charge		(2,405)	(1,252)	(14,595)	(4,387)	(22,639)
Transfer and disposals		(993)	687	5,209	1,446	6,349
Exchange differences		-	(85)	(252)	(233)	(570)
At 31 December 2015		(58,841)	(8,165)	(98,127)	(34,990)	(200,123)
Net book value at 31 December 2015		33,050	5,678	40,832	22,049	101,609

(€'000)		Land and buildings	Furniture and fixtures	IT equipment	Other equipment	Total
Cost						
At 1 January 2014		87,800	11,172	123,980	48,890	271,842
Additions		1,138	1,304	11,400	4,673	18,515
Transfer and disposals		(755)	618	(6,404)	(43)	(6,584)
Exchange differences		-	3	124	428	555
At 31 December 2014		88,183	13,097	129,100	53,948	284,328
Accumulated depreciation						
At 1 January 2014		(53,509)	(6,567)	(79,801)	(27,019)	(166,896)
Depreciation charge		(2,366)	(1,086)	(13,578)	(4,167)	(21,197)
Transfer and disposals		432	119	5,024	(478)	5,097
Exchange differences		-	19	(134)	(152)	(267)
At 31 December 2014		(55,443)	(7,515)	(88,489)	(31,816)	(183,263)
Net book value at 31 December 2014		32,740	5,582	40,611	22,132	101,065

The figures above include cost of property, plant and equipment under construction for an amount of €2,449,000 (2014: €2,743,000).

XVIII. Goodwill and intangible assets

(€'000)	Internally developed		Purchased Know-how	Goodwill	Contractual customer relationship technology		Unpatented technology	Total
	software	software						
Cost								
At 1 January 2015	34,778	72,849	45,974	1,415,850	21,964	59,725	1,651,140	
Additions	27,159	15,042	-	-	-	-	42,201	
Transfer and disposals	(10,097)	(19,275)	-	-	-	-	(29,372)	
Exchange differences	-	385	27	5,301	-	-	5,713	
At 31 December 2015	51,840	69,001	46,001	1,421,151	21,964	59,725	1,669,682	
Accumulated amortisation and impairment								
At 1 January 2015	(28,543)	(46,645)	(45,974)	(535,820)	-	(59,725)	(716,707)	
Amortisation charges	(2,630)	(2,718)	-	-	-	-	(5,348)	
Transfer and disposals	28,098	1,274	-	-	-	-	29,372	
Exchange differences	-	(358)	(27)	(350)	-	-	(735)	
At 31 December 2015	(3,075)	(48,447)	(46,001)	(536,170)	-	(59,725)	(693,418)	
Net book value at 31 December 2015	48,765	20,554	-	884,981	21,964	-	976,264	

(€'000)	Internally developed		Purchased Know-how	Goodwill	Contractual customer relationship technology		Unpatented technology	Total
	software	software						
Cost								
At 1 January 2014	30,346	54,894	46,049	1,426,747	21,964	60,638	1,640,638	
Additions	4,432	16,224	-	-	-	-	20,656	
Transfer and disposals (1)	-	1,401	-	(635)	-	-	766	
Exchange differences	-	330	(75)	(10,262)	-	(913)	(10,920)	
At 31 December 2014	34,778	72,849	45,974	1,415,850	21,964	59,725	1,651,140	
Accumulated amortisation and impairment								
At 1 January 2014	(28,097)	(43,145)	(46,049)	(536,773)	-	(60,638)	(714,702)	
Amortisation charges	(446)	(3,087)	-	-	-	-	(3,533)	
Transfer and disposals	-	(67)	-	-	-	-	(67)	
Exchange differences	-	(346)	75	953	-	913	1,595	
At 31 December 2014	(28,543)	(46,645)	(45,974)	(535,820)	-	(59,725)	(716,707)	
Net book value at 31 December 2014	6,235	26,204	-	880,030	21,964	-	934,433	

¹ Goodwill transfer and disposal relates to the liquidation of Nederlands Interprofessionnel Effectencentrum NIEC BV (NIEC) see Note I.

Goodwill and the contractual customer relationship relate to the acquisition of EMXCo, Euroclear Belgium, Euroclear Finland, Euroclear France, Euroclear Nederland, Euroclear NIEC (liquidated in December 2014), Euroclear Sweden and Euroclear UK & Ireland.

The unpatented technology related to the infrastructure of Euroclear Finland and Euroclear Sweden, which was fully amortised by mid-2012.

XVIII.1. Determination of the cash-generating units

Goodwill impairment reviews are based on the cash-generating units (CGUs) for the group's three relevant operating segments: the ESES CSDs (Euroclear Belgium, Euroclear France, Euroclear Nederland), Euroclear UK & Ireland (Euroclear UK & Ireland and EMX Company Ltd, which was integrated into Euroclear UK & Ireland in 2010), NCSD (Euroclear Finland and Euroclear Sweden).

Except for Euroclear Sweden, goodwill and contractual customer relationship are expressed and tested for impairment purposes in euro. At the time of the acquisition of Euroclear UK & Ireland, the related goodwill was considered as a non-monetary asset of the acquirer and therefore expressed in euro. At the time of migration to IFRS, which considers goodwill to be a monetary asset of the acquired entity, Euroclear decided not to restate prior years' business combinations. The goodwill relating to EMX Company Ltd, now appraised together with that of Euroclear UK & Ireland, is expressed in sterling but is translated into euro at the spot rate on closing date for the purpose of impairment testing.

XVIII.2. Basis on which recoverable amounts have been determined

The recoverable amounts is based on the 'value in use' using the discounted cash flow methodology for each segment. The 2015 valuation of all the entities concerned is based on a five-year free cash flow forecast with projections for periods beyond this assuming a perpetual annuity ranging between 1.7% and 2% depending on the concerned entity.

The net book values of the goodwill, and Euroclear Belgium's contractual customer relationships, are set out in the table below.

(€'000)	2015	2014
Euroclear UK & Ireland	206,762	205,664
ESES	484,626	484,626
NCSD	215,557	211,704
	906,945	901,994

These are the only intangible assets considered to have indefinite useful lives.

XVIII.3. Key assumptions related to discount factors

The appropriate discount rates are determined by applying the Capital Asset Pricing Model (CAPM). The discount rates and perpetual growth rates used for each CGU in the 2015 and 2014 impairment reviews were as follows:

	2015		2014	
	Discount rate	Perpetual growth rate	Discount rate	Perpetual growth rate
Euroclear UK & Ireland	7.50%	1.70%	8.40%	1.70%
ESES	6.10%	1.70%	7.00%	1.70%
NCSD	7.90%	1.70%-2.00%	8.90%	1.70%-2.00%

XVIII.4. The 2015 impairment review

The key assumptions for the valuation exercise are based on both external sources of information and on internal expectations (assets held in custody, transaction volumes, interest rates, etc.). Forecasts are taken from Board approved plans which translate into resilient profitability trends throughout 2016 and the years beyond. For all operating segments, their valuation indicated that the current values of goodwill and related intangibles are fair and justified.

The Board concluded that in 2015, there is no goodwill impairment risk arising from the review.

As far as sensitivity analysis is concerned, neither an increase of the discount rate by 1% nor a decrease of the business drivers by 5% would have resulted in an impairment in one of the CGUs (all other factors being equal).

The changes in the parameters used for the sensitivity analysis set out above are based on management's estimates of what level of change is reasonably possible. For example, the choice of a 5% decrease for business volumes is justified by the volatility observed between forecasts and actuals over the past four years while the increase of the discount rate is justified by the highest yearly variance over the past four years.

XIX. Provisions for liabilities and charges

(€'000)		Onerous contracts	Dilapidation	Litigation	Other provisions	Total
At 1 January 2015		6,309	3,325	161	6,493	16,288
Capitalisation of dilapidation provision	XVII	-	470	-	-	470
Additions		-	-	-	1,514	1,514
Unused amounts reversed during the period		(2,644)	-	(161)	(105)	(2,910)
Amounts used		(617)	(156)	-	(1,522)	(2,295)
Exchange differences		15	120	-	(19)	116
At 31 December 2015		3,063	3,759	-	6,361	13,183

At year-end 2015, the outstanding provision for onerous contracts mainly relates to one onerous contract recognised in previous years. This provision will be progressively used over the remaining period of the concerned contract.

Provisions for dilapidation costs are recorded to reflect end-of-lease obligations in several countries.

The additions in 'other provisions' mainly relate to the increase of provisions recorded during the course of 2014 to reflect the uncertainty as to the recovery of some taxes. At the end of 2012, Euroclear Belgium recorded a provision of €4,000,000 related to the dematerialisation of Belgian securities, which involved a series of discontinuation costs, amongst others the redeployment of staff, early retirement and severance costs. This provision is also reflected in the 'other provisions' set out above. Part of the provision has been used or reversed over the last three years.

The current portion of the above provisions is estimated at €8,237,000 (2014: €8,351,000).

XX. Defined benefit plans

The group operates various post-employment schemes, including defined benefit and defined contribution pension plans, and post-employment medical plans.

The group has several defined benefit pension plans covering employees in Belgium, France, Japan, the Netherlands and Sweden under broadly similar regulatory frameworks. The plans exclusively provide retirement and death benefits to the eligible participants. All of the defined benefit pension plans are final or average salary pension plans, which provide benefits to members in the form of a lump sum payment or a guaranteed level of pension payable for life. The level of benefits provided depends on members' length of service and their salary in the final years leading up to retirement. The plans face broadly similar risks, as described below. The majority of benefit payments are from the administered funds; however, there are also a limited number of unfunded plans where the company meets the benefit payment obligation as it falls due (Japan). Plan assets are governed by local regulations and practice in each country, as is the nature of the relationship between the group and the pension funds Board of Directors. Responsibility for governance of the plans – including investment decisions and contribution schedules – lies jointly with the sponsoring companies and the Board of Directors. The Board of Directors must be composed of representatives of the company and plan participants in accordance with the plan's regulations.

The group also operates a number of post-employment medical benefit schemes, in Belgium and France. These plans are unfunded. The method of accounting, significant assumptions and the frequency of valuations are similar to those used for defined benefit pension schemes with the addition of actuarial assumptions relating to the long-term increase in healthcare costs.

Finally, the group operates certain defined contribution schemes in Belgium which present particular features usually associated with defined benefit plans. These plans indeed foresee a legally guaranteed rate of return. As a result of the persisting low interest rates environment, this legally guaranteed return may not be matched by the return provided by the insurance companies. This means that the financial market risk related to these plans is partially borne by the employer, who therefore might face a net liability. The latter does however not materially impact the group's net defined benefit liability as the insurance company continues to guarantee the total interest rate on the accrued accumulated reserves up to the legal minimum guaranteed level until 2016.

A full actuarial valuation of the plans, under IFRS, was made by independent qualified professional actuaries as of 31 December 2015 and showed a deficit of €79,589,000 (2014: €96,978,000) offset by a pension surplus of €533,000 (2014: €433,000). The valuation covered all the plans.

The pension cost in 2015 of €21,477,000 (2014: €16,504,000) has been fully recognised in the current year. The contribution, reflecting employer's contributions for funded plans and benefit disbursements for unfunded plans, amounted to €5,068,000 (2014: €4,094,000).

The major assumptions used by the actuaries in their valuations were:

	2015	2014
Discount rate	2.31%	2.15%
Expected inflation rate	1.72%	1.73%
Future salary increases	3.16%	3.21%
Expected medical cost trend rate	4.83%	5.20%

The above percentages are weighted averages of the assumptions used for the individual plans. Assumptions regarding future mortality experience are set based on advice and published statistics in each territory (MR/FR table with an age set back of three years in Belgium, TGHF 05 table in France, AG Prognosetafel 2014 with 2010 experienced mortality in the Netherlands, EPF 2009 rates in Japan and PRI 2011 in Sweden).

The amounts recognised in the balance sheet are as follows:

(€'000)	2015	2014
Present value of funded obligations	(278,488)	(278,780)
Fair value of plan assets	246,429	228,656
	(32,059)	(50,124)
Present value of unfunded obligations	(46,045)	(46,421)
Irrecoverable surplus	(952)	-
Net pension deficit	(79,056)	(96,545)

The value of assets in all plans was:

(€'000)	2015			2014		
	Quoted	Unquoted	Total	Quoted	Unquoted	Total
Equity instruments						
- European equities	38,539	-	38,539	35,705	-	35,705
- Global equities	77,388	-	77,388	63,000	-	63,000
- Emerging markets equities	2,353	-	2,353	270	-	270
- European real estate equities	9,413	-	9,413	8,662	-	8,662
- US equities	100	-	100	110	-	110
- Japan equities	34	-	34	39	-	39
Debt instruments						
- EMU government bonds	54,925	-	54,925	56,092	-	56,092
- EMU corporate bonds	42,047	-	42,047	38,318	-	38,318
- Euro inflation-linked bonds	18,878	-	18,878	17,377	-	17,377
Property	1,500	-	1,500	1,215	-	1,215
Cash and cash equivalents	174	-	174	6,861	-	6,861
Qualifying insurance policies	-	994	994	-	995	995
Investment funds	25	-	25	12	-	12
Other	59	-	59	-	-	-
Total market value of assets	245,435	994	246,429	227,661	995	228,656

The assets of the funded plans are held separately from those of the group. The group ensures that the investment positions are managed within an asset-liability matching (ALM) framework that has been developed to achieve long-term investments that are in line with the obligations under the pension schemes. Within this framework, the group's ALM objective is to match assets to the pension obligations by investing in long-term fixed interest securities with maturities that match the benefit payments as they fall due and in the appropriate currency. The company actively monitors how the duration and the expected yield of the investments are matching the expected cash outflows arising from the pension obligations. A large proportion of assets consists of equities and bonds, although the group also invests in property, cash and holds some insurance assets. The group believes that equities offer the best returns over the long term with an acceptable level of risk.

The changes in the net deficit are as follows:

(€'000)	Notes	Medical plans	Pension plans			Asset ceiling	Total
		Present value of obligations	Present value of obligations	Fair value of plan assets	Total		
At 1 January 2015		45,534	279,667	(228,656)	51,011	-	96,545
Current service cost	X	1,962	17,575	-	17,575	-	19,537
Net interest expense/(income)	VI	951	5,976	(4,987)	989	-	1,940
Income statement		2,913	23,551	(4,987)	18,564	-	21,477
Remeasurements							
Experience (gains)/losses		(1,459)	(987)	(15,644)	(16,631)	-	(18,090)
(Gains)/losses due to change in demographic assumptions		3,216	(5,670)	-	(5,670)	-	(2,454)
(Gains)/losses due to change in financial assumptions		(4,949)	(9,688)	-	(9,688)	-	(14,637)
Changes in asset ceiling		-	-	-	-	952	952
Statement of other comprehensive income		(3,192)	(16,345)	(15,644)	(31,989)	952	(34,229)
Employer's contributions		(360)	-	(4,708)	(4,708)	-	(5,068)
Exchange differences		-	878	(547)	331	-	331
Transfers		-	161	(161)	-	-	-
Curtailments		-	-	-	-	-	-
Benefit payments		-	(8,274)	8,274	-	-	-
At 31 December 2015		44,895	279,638	(246,429)	33,209	952	79,056

(€'000)	Notes	Medical plans	Pension plans			Asset ceiling	Total
		Present value of obligations	Present value of obligations	Fair value of plan assets	Total		
At 1 January 2014		31,529	219,401	(198,472)	20,929	2,382	54,840
Current service cost	X	1,354	13,412	-	13,412	-	14,766
Net interest expense/(income)	VI	1,067	7,426	(6,792)	634	37	1,738
Income statement		2,421	20,838	(6,792)	14,046	37	16,504
Remeasurements							
Experience (gains)/losses		1,393	4,518	(29,139)	(24,621)	-	(23,228)
(Gains)/losses due to change in demographic assumptions		-	455	-	455	-	455
(Gains)/losses due to change in financial assumptions		10,524	43,213	-	43,213	-	53,737
Changes in asset ceiling		-	-	-	-	(2,419)	(2,419)
Statement of other comprehensive income		11,917	48,186	(29,139)	19,047	(2,419)	28,545
Employer's contributions		(333)	-	(3,761)	(3,761)	-	(4,094)
Exchange differences		-	(1,674)	1,402	(272)	-	(272)
Transfers		-	-	1,022	1,022	-	1,022
Curtailments		-	-	-	-	-	-
Benefit payments		-	(7,084)	7,084	-	-	-
At 31 December 2014		45,534	279,667	(228,656)	51,011	-	96,545

The weighted average duration of the defined benefit obligations is 17.4 years (2014: 18.5 years).

Funding levels are monitored on an annual basis and contributions are made to comply with minimum requirements as determined by local regulations and, if applicable, internal funding policy. The group considers that the contribution rates set at the last valuation date are sufficient to eliminate the deficit over the agreed period.

Expected contributions to post-employment benefit plans for the year ending 31 December 2016 are €2,842,000.

The cumulative actuarial loss recognised in other comprehensive income as at 31 December 2015 was €51,476,000 (2014: €85,705,000).

The sensitivity of the defined benefit obligations to a 1% movement in the weighted principal assumptions is:

(€'000)	Increase in assumption	Decrease in assumption
Discount rate	-16.1%	17.4%
Salary increase rate	13.5%	-13.1%
Inflation rate	11.7%	-11.7%
Medical trend rate	28.4%	-20.9%

The above sensitivity analysis is based on a change in an assumption while holding all other assumptions constant. In practice, this is unlikely to occur, and changes in some of the assumptions may be correlated. When calculating the sensitivity of the defined benefit obligations to significant actuarial assumptions, the same method (present value of the defined benefit obligation calculated with the projected unit credit method at the end of the reporting period) has been applied as when calculating the pension liability recognised within the statement of financial position. As the majority of the liabilities are not affected by the life expectancy risk (because of lump sum payments), no life expectancy sensitivity is considered.

Through its defined benefit pension plans and post-employment medical plans, the group is exposed to a number of risks, the most significant of which are detailed below:

- Asset volatility: The risk is kept under control thanks to proper risk management procedures and strategic asset allocation driven by the financial characteristics of the plans, in particular the plans liabilities and the risk tolerance of the Board and the group. The plan liabilities are calculated using a discount rate set with reference to corporate bond yields; if plan assets underperform this yield, this will create a deficit. Belgian plans hold 60% of equities, which are expected to outperform corporate bonds in the long-term while providing volatility and risk in the short-term. The group believes that due to the long-term nature of the plan liabilities and the strength of the supporting group, a level of continuing equity investment is an appropriate element of the group's long term strategy to manage the plans efficiently. See above for more details on the group's asset-liability matching strategy.
- Changes in bond yields: A decrease in corporate bond yields will increase plan liabilities, although this will be partially offset by an increase in the value of the plans' bond holdings.
- Inflation risk: The plans' benefit obligations are linked to inflation (see sensitivity impact), and higher inflation will lead to higher liabilities. The impact is however limited and the assumptions are cautiously monitored annually.
- Life expectancy: As mentioned, longevity risk is limited as the majority of the benefit payments are lump sums.
- Medical trend rate risk: As the liabilities of the Belgian and French medical plans are very sensitive to the used medical trend rate, the evolution of this trend rate is monitored regularly to make sure that this trend rate properly reflects the long term expected evolution of the medical cost.
- Salary increase: As the pension liabilities are quite sensitive to salary increase, the used assumptions are monitored closely and historic salary evolution is compared against the used assumptions.

The group has not changed the processes used to manage its risks from previous periods.

The movement in the deferred tax asset relating to the pension deficit is as follows:

(€'000)	Notes	2015	2014
Amount credited/(charged) through equity	XIII	10,617	(8,960)
Amount credited/(charged) through the income statement	XIII	(5,403)	(4,315)
Exchange differences		(81)	136
Increase/(decrease) in deferred tax asset		5,133	(13,139)

XXI. Subordinated liabilities

(€000)	2015		2014	
	Book value	Fair value	Book value	Fair value
At 31 December				
Fixed/Floating Rate Guaranteed Non-Cumulative Perpetual Securities	-	-	100,282	101,249
Total	-	-	100,282	101,249
Repayable				
- in one year or less	-	-	100,282	101,249
- in more than one year but not more than two years	-	-	-	-
Total	-	-	100,282	101,249

The Fixed/Floating Rate Subordinated Guaranteed Non-Cumulative Perpetual Securities listed above were denominated in euro and were issued at par by Euroclear Finance 2 in June 2005 (principal amount of €300,000,000). The proceeds of the issue and the €4,500,000 capital of Euroclear Finance 2 were lent to Euroclear Bank through the full subscription of Fixed/Floating Rate Subordinated Perpetual Notes (principal amount of €304,500,000, net of €2,600,000 of issue costs) issued by Euroclear Bank. These notes provide Upper Tier II regulatory capital to Euroclear Bank on a stand-alone basis, whereas the securities provide Hybrid Tier I regulatory capital to Euroclear Bank on a consolidated basis.

Euroclear Bank has exercised on 15 June 2015 the optional redemption rights of the Bank on all of its Upper Tier 2 note with Euroclear Finance 2 at the base redemption price.

XXII. Share capital and share premium

Equity shares	Number of shares	(€000)		
		Share Capital	Share Premium	Total
At 1 January and 31 December 2015	12,014,560	839,601	1,623,628	2,463,229
At 1 January and 31 December 2014	12,014,560	839,601	1,623,628	2,463,229

The shares have attached to them full voting, dividend and capital distribution rights.

XXIII. Other reserves

(€'000)	Notes	Available-for-sale revaluation reserve	Cash flow hedging reserve	Hedge of net inv. in foreign operations reserve	Foreign currency translation reserve	Legal reserve	Total
At 1 January 2015		46,548	(280)	18,238	(3,898)	91,613	152,221
Fair value adjustments	XIV, XVI	115,199	1,963	-	-	-	117,162
Deferred tax on fair value adjustments	XIII	(560)	(667)	-	-	-	(1,227)
Foreign currency translation reserve		-	-	-	11,025	-	11,025
Transfer to non-distributable reserves		-	-	-	-	11,832	11,832
At 31 December 2015		161,187	1,016	18,238	7,127	103,445	291,013
At 1 January 2014		3,548	263	18,238	2,383	77,555	101,987
Fair value adjustments	XIV, XVI	42,771	(823)	-	-	-	41,948
Deferred tax on fair value adjustments	XIII	229	280	-	-	-	509
Foreign currency translation reserve		-	-	-	(6,281)	-	(6,281)
Transfer to non-distributable reserves		-	-	-	-	14,058	14,058
At 31 December 2014		46,548	(280)	18,238	(3,898)	91,613	152,221

The hedge of net investment in foreign operations reserve and the foreign currency translation reserve relate to the group's subsidiaries in Sweden and the United Kingdom.

In addition to the translation of structural currency exposures relating to the group's subsidiaries and joint venture with a functional currency other than the euro, the foreign currency translation reserve includes the translation impact of goodwill and intangible assets expressed in Swedish krona and sterling that were recognised at the time of acquisition of subsidiaries in Sweden, and EMXCo in the United Kingdom.

The legal reserve represents non-distributable amounts required to be established as separate reserves in compliance with local laws in certain countries where the group operates.

XXIV. Dividends paid

€ per share	2015	2014
Equity paid	17.66	20.90
(€'000)		
Equity paid	212,180	251,106

A dividend of €87,106,000 was paid by Euroclear SA/NV in respect of the financial year ending 31 December 2014 (out of the total 2014 dividend of €233,182,000), and €125,072,000 (€10.41 per share) was already paid as interim dividend in November 2015 in respect of financial year ending 31 December 2015. €2,000 were paid by Euroclear Bank for the share owned by Euroclear Investments.

See Note XXVIII for details of the proposed 2015 equity dividend.

XXV. Contingent liabilities and commitments

(€'000)	2015	2014
At 31 December		
Assets pledged as collateral	2,148,705	3,570,934
Securities lending indemnifications	18,576,063	11,133,237

Assets pledged as collateral mainly include:

- investment securities with a book value of €2,112,278,000 (2014: €3,535,349,000) have been deposited with the National Bank of Belgium as potential collateral, principally for TARGET2-related exposures. There was an exposure amounting to €7,889,000 at 31 December 2015 (2014: €840,651,000); and
- a bank deposit of €500,000 (2014: €500,000) pledged by Euroclear Finland to a third-party registration fund in order to fulfil its obligations as account operator.

Under the terms of the Euroclear Securities Lending and Borrowing Programme, Euroclear Bank provides a guarantee to securities lenders whereby if a securities borrower is unable to return the securities, Euroclear Bank guarantees the lender to receive replacement securities or their cash equivalent. A similar guarantee applies to Euroclear Bank's GC Access Programme. The guarantee is valued at market value of the loan securities plus accrued interest. Euroclear Bank's policy is that all securities borrowings are covered by collateral pledged by the borrowing banks and customers.

XXVI. Operating lease commitments

(€'000)	2015		2014	
	Property	Vehicles, plant and equipment	Property	Vehicles, plant and equipment
Group company as lessee				
Future aggregate minimum lease payments under non-cancellable operating leases:	104,549	53,407	113,558	40,285
- up to one year	19,970	18,972	20,127	15,488
- later than one year and not later than five years	58,574	33,984	57,135	23,432
- over five years	26,005	451	36,296	1,365
Minimum lease payments recognised as an expense	19,969	17,847	19,696	17,173

XXVII. Related-party disclosures

Euroclear SA/NV is controlled by Euroclear Investments SA/NV, incorporated in Luxembourg, which owns 99.99% of the ordinary shares. The ultimate parent and controlling party of the group is Euroclear plc, incorporated in the United Kingdom.

Euroclear SA/NV's investments in its subsidiaries are set out in Note I.

The following is a summary of the balances relating to transactions with Euroclear SA/NV's parent, ultimate parent and other companies in the Euroclear group included in its consolidated financial statements:

(€'000)	2015					2014				
	Immediate parent	Ultimate parent company	Other group companies	Joint ventures	Total	Immediate parent	Ultimate parent company	Other group companies	Joint ventures	Total
Assets										
Loans and advances	-	-	10,202	-	10,202	-	-	12,242	-	12,242
Other assets	148	182	201	4,352	4,883	-	144	-	418	562
Prepayments and accrued income	-	728	19	-	747	19	39	-	-	58
Investments in subsidiaries and joint ventures	-	-	-	8,857	8,857	-	-	-	13,892	13,892
Total assets	148	910	10,422	13,209	24,689	19	183	12,242	14,310	26,754
Liabilities										
Deposits from banks and customers	273	8	-	-	281	54	44	-	-	98
Other liabilities	-	-	411	-	411	7	-	-	-	7
Accruals and deferred income	272	6,392	-	-	6,664	205	5,994	176	-	6,375
Total liabilities	545	6,400	411	-	7,356	266	6,038	176	-	6,480
Income statement										
Interest income	1	2	466	-	469	-	-	560	-	560
Interest expense	-	-	-	-	-	(4)	-	-	-	(4)
Fee and commission expense	-	(10)	-	-	(10)	-	(15)	-	-	(15)
Other operating income	697	2,755	1,130	4,336	8,918	394	1,424	-	418	2,236
Administrative expense	(1,041)	(25,679)	(4,674)	-	(31,394)	(877)	(23,602)	(4,506)	-	(28,985)
Total income statement	(343)	(22,932)	(3,078)	4,336	(22,017)	(487)	(22,193)	(3,946)	418	(26,208)
Off-balance sheet										
Liquidity facility received	-	20,000	-	-	20,000	-	20,000	-	-	20,000
Liquidity facility given	-	-	(409)	-	(409)	-	-	-	-	-
Total off-balance sheet	-	20,000	(409)	-	19,591	-	20,000	-	-	20,000

Further details about transactions with related parties and of key management compensation are provided below.

XXVII.1. Transactions with other companies in the Euroclear group

XXVII.1.a. Loan

In July 2012, Euroclear SA/NV granted a ten-year loan to Euroclear France Properties SAS to finance the building and management costs of a computer center in France. Interest on the loan, payable annually accrues at a rate of 4.60% per annum. In February 2015, part of the loan (€2,000,000) was reimbursed. At 31 December 2015, the outstanding loan plus accrued interest amounted to €10,202,000 (2014: €12,242,000).

XXVII.1.b. Bank accounts and term deposits

Euroclear Bank, a subsidiary of Euroclear SA/NV, provides banking services to other companies in the Euroclear group. Deposits are remunerated at market rates of interest.

XXVII.1.c. Administrative support

Certain administrative support costs are periodically recharged to and by other companies within the Euroclear group.

Euroclear SA/NV leases premises from Euroclear Properties France at market rates. The lease expires in 2025.

XXVII.1.d. Licence agreement

Under a licence agreement, Euroclear plc has granted to Euroclear Bank the right to operate the Euroclear System and the right to use and sub-licence the Euroclear trademark. The agreement may be terminated by either party with three years notice. Euroclear Bank pays Euroclear plc a royalty fee of 2.7% (2014: 2.7%), computed on certain qualifying revenues.

XXVII.1.e. Liquidity facility

In July 2005, Euroclear plc provided a liquidity facility to Euroclear SA/NV for an aggregate principal amount of €20,000,000. The facility was made for an initial period of one year, automatically renewed. It can be terminated by either party with three months notice. A fee of 5 basis points is computed on the amount of the facility regardless of whether the facility is used. Any utilisation of the facility (none to date) is remunerated at Euribor plus 12.5 basis points.

In April 2015, Euroclear SA provided a two-year liquidity facility to Taskize Limited (a Euroclear Investments SA/NV subsidiary) for an amount up to GBP 300,000 (€409,000). Taskize Limited must use the funds drawn under this agreement for the purpose of financing its operational and business setup costs and its initial application development costs. An annual fee of 0.55% is computed on the undrawn amount of the facility. Any utilisation of the facility (none to date) is remunerated at annual rate of 3.9%.

XXVII.1.f. Pension fund

The group considers its Belgian pension fund as a related party as it has the ability to exercise significant influence over it in taking financial or operational decisions. Disclosures related to the pension fund are presented in Note XX.

XXVII.2. Key management compensation

The compensation of key management (members of the Management Committees of Euroclear SA/NV and its (I)CSD subsidiaries and group division heads) and non-executive directors was as follows:

(€'000)	2015	2014
Short-term employee benefits	17,650	17,315
Post-employment benefits	1,734	1,605
Other long-term benefits	2,416	3,252
Termination benefits	2,863	273
Total compensation of key management	24,663	22,445
Emoluments of non-executive directors	908	802
Total compensation of key management and directors	25,571	23,247

The National Bank of Belgium (NBB) has been informed of the compensation principles for the members of the Management Committees of Euroclear SA/NV and Euroclear Bank and of certain other senior management, taking into account the most recent changes in the regulations. The amounts - as approved by the respective Remuneration Committees/Boards - reflect these principles and more specifically the allocation between short-term and long-term benefits.

No loans or similar transactions occurred with directors, key management or their close family members.

The companies employing the Euroclear SA/NV non-executive directors are subject to the same terms, conditions and tariffs as other companies.

Directors' emoluments are in the form of fees with the exception of life insurance benefits for one director amounting to €11,000 (2014: €5,200).

XXVIII. Events after the balance sheet date

Proposed dividend

On 23 February 2016, the directors resolved to propose a dividend in respect of the financial year ending 31 December 2015 of €17.91 (2014: €19.40) per equity share, which will distribute €215,181,000 (2014: €233,082,000) of shareholders' equity. €125,072,000 (€10.41 per share) was already paid as interim dividend in November 2015 (Note XXIV), leaving €90,109,000 (€7.50 per share) to be paid to shareholders in May 2016.

Statutory auditor's report

to the general shareholders' meeting on the consolidated financial statements for the year ended 31 December 2015

In accordance with the legal requirements, we report to you on the performance of our mandate as statutory auditor. This report includes our opinion on the consolidated financial statements, as well as the required additional statement. The consolidated financial statements comprise the consolidated statement of financial position as at 31 December 2015, the consolidated income statement, the consolidated statement of comprehensive income, the consolidated statement of changes in equity and the consolidated statement of cash flows for the year then ended, as well as notes, comprising a summary of significant accounting policies and other explanatory information.

Report on the consolidated financial statements - Unqualified opinion

We have audited the consolidated financial statements of Euroclear SA ("the Company") and its subsidiaries (jointly "the group"), prepared in accordance with International Financial Reporting Standards as adopted by the European Union, and with the legal and regulatory requirements applicable in Belgium. The total of the consolidated statement of financial position amounts to '000' EUR 21.881.954 and the consolidated income statement shows a profit for the year of '000' EUR 275.654.

Board of directors' responsibility for the preparation of the consolidated financial statements

The board of directors is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with International Financial Reporting Standards as adopted by the European Union, and with the legal and regulatory requirements applicable in Belgium, and for such internal control as the board of directors determines, is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Statutory auditor's responsibility

Our responsibility is to express an opinion on these consolidated financial statements based on our audit. We conducted our audit in accordance with International Standards on Auditing (ISAs). Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the statutory auditor's judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, the statutory auditor considers internal control relevant to the group's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the group's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the board of directors, as well as evaluating the overall presentation of the consolidated financial statements. We have obtained from the board of directors and the company's officials the explanations and information necessary for performing our audit.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Unqualified Opinion

In our opinion, the consolidated financial statements give a true and fair view of the group's net equity and consolidated financial position as at 31 December 2015 and of its consolidated financial performance and its consolidated cash flows for the year then ended in accordance with International Financial Reporting Standards as adopted by the European Union, and with the legal and regulatory requirements applicable in Belgium.

Report on other legal and regulatory requirements

The board of directors is responsible for the preparation and the content of the directors' report on the consolidated financial statements.

In the context of our mandate and in accordance with the Belgian standard which is complementary to the International Standards on Auditing (ISAs) as applicable in Belgium, our responsibility is to verify, in all material respects, compliance with certain legal and regulatory requirements. On this basis, we provide the following additional statement which does not impact our opinion on the consolidated financial statements:

The directors' report on the consolidated financial statements includes the information required by law, is consistent with the consolidated financial statements and does not present any material inconsistencies with the information that we became aware of during the performance of our mandate.

Sint-Stevens-Woluwe, 26 February 2016

The Statutory Auditor
PwC Bedrijfsrevisoren BCVBA
Represented by



Damien Walgrave
Revisieur d'Entreprises Agréé