

# NORDIC FIs & COVERED

## INSIDE:

- 2 Raters expect AT1 supply from strong Nordics
- 4 IMF recognises Danish moves, but calls for more
- 5 Nordic euro FI spread data

Thursday, 18 December 2014

Issue 108

## Covered bonds in 2015: Victims of their own success?



Throughout the sovereign crisis, covered bonds were a remarkably stable asset class that at the same time offered a wide range of investors an attractive investment case, write Crédit Agricole CIB covered bond analysts in their outlook for 2015.

Covered bonds were yields enough for asset managers as well as insurance companies, while at the same time often offering higher ratings and less volatility than sovereign or bank senior debt, and bank treasuries could profit from preferential regulatory treatment.

Looking at today's market, the stability and quality elements are clearly still there, but apart from this one can say covered bonds have become a victim of their own success. With the start of the third covered bond purchase programme (CBPP3), the European Central Bank added buying covered bonds to its policy kit and in doing so has pushed covered bond spreads to levels where the investment abovementioned case simply isn't there anymore for many investors. The

spread rally of the past years seems to have found its bottom for now.

One might think that in times of record low interest rates and spreads issuers will rush to enter the covered bond market and profit from the prevailing conditions. We do not follow this line of argument in our issuance forecast for euro benchmark covered bonds. With forecast euro benchmark covered bond issuance of Eu120bn after Eu114bn this year, we expect only a slight increase.

For covered bond funding volumes to grow substantially, we need loan book growth or very volatile markets. In the absence of this, peripheral issuers will grow slightly as they optimise their funding and replace ECB with market funding, and we will have a handful of new markets such as Poland and Singapore. Many issuers in core European countries may well put their focus on other products that count as loss-absorbing capital, though.

Looking at the Nordics, we expect a slightly higher focus on euro covered  
*(continued on page 3)*



*Season's greetings from  
Nordic FIs & Covered,  
and best wishes for  
2015!*

This will be the last issue of Nordic Financial Institutions & Covered Bonds of the year, so we, at The Covered Bond Report and Crédit Agricole CIB, would like to take this opportunity to wish you all season's greetings.

Appropriately, we leave you with a look forward into how the covered bond market might turn out in 2015 courtesy of Crédit Agricole CIB's analysts, as well as bullish rating agency expectations for Nordic banks in general and Additional Tier 1 in particular.

We will be returning in the new year and in the meantime would like to thank you for your interest in our publication throughout 2014.

Best wishes to you all for 2015!



| Latest Nordic FI benchmarks           |        |       |      |
|---------------------------------------|--------|-------|------|
| Senior unsecured (z spreads mid)      |        |       |      |
| JYBC                                  | FRN    | 06/17 | 34bp |
| POHBK                                 | 1.125% | 06/19 | 18bp |
| DANBNK                                | FRN    | 11/18 | 39bp |
| Covered bonds (asw spreads mid)       |        |       |      |
| POHBK                                 | 1.000% | 11/24 | 5bp  |
| NDASS                                 | 1.000% | 11/24 | -1bp |
| SHBASS                                | 0.625% | 11/21 | 1bp  |
| <i>Source: CACIB trading 18/12/14</i> |        |       |      |

# Raters expect AT1 supply from strong Nordics

**Moody's expects Swedish banks to make early, sizeable issuances of Additional Tier 1 (AT1) instruments, while Standard & Poor's expects a similar trend across Nordic banks, which it said are pulling away from their European peers in terms of capital strength.**

Moody's said in a report on Friday (12 December) that the Swedish issuance of contingent capital securities (CoCos) is credit positive for banks and their creditors, due to an early phasing-in of increased capital requirements in the country. The rating agency forecast \$2bn-\$2.9bn (Skr15bn-Skr22bn, Eu1.6bn-Eu2.3bn) of Swedish AT1 issuance by 2016 (excluding issuance to date), rising to \$4.9bn by 2019.

"We believe AT1 securities will be attractive for Swedish banks because Sweden adopted close to fully-loaded Basel III rules from 2014, ahead of most other European nations and well ahead of the mandated introduction schedule that allows a gradual move to Basel III by 2019," said Daniel Forssen, associate analyst at Moody's.

Meanwhile the rating agency said that there is likely to be market appetite for such a volume of issuance because Swedish banks have stronger performance metrics than their European peers and AT1 CoCos provide a higher yield



than Tier 2 debt and senior unsecured debt. In addition, as legacy Tier 1 instruments come up for call, Moody's expects banks to redeem such securities and replace them with AT1 CoCos.

Nordea kicked off Swedish AT1 in September with Skandinaviska Enskilda Banken (SEB) following in November, and Moody's said Svenska Handelsbanken and Swedbank are likely to issue AT1 securities over the next few years.

"The issuance of AT1 securities is credit positive for Swedish banks and their creditors, because they will boost the banks' loss-absorbing capital, replace legacy instruments that have less clearly defined loss-absorption features,

and increase the possibility that banks can continue to operate as a going concern," said Oscar Heemskerck, associate managing director at Moody's.

S&P said in a biannual report on the risk-adjusted capital (RAC) ratios of Nordic banks published today (Thursday) that as at mid-year 2014 the financial institutions have strengthened an already strong position relative to their European peers. It said that this has happened on the back of a more stable operating environment and in the context of more stringent capital requirements that have been imposed by Nordic regulators.

Of 25 Nordic banks S&P rates, five have this year enjoyed positive rating actions — ranging from improvements to elements of their standalone credit profiles (SACPs) to upgrades — associated with improvements in capital levels

"After seeing the market demand for TAC-eligible hybrid issues by Danske Bank, Nykredit Realkredit, Nordea Bank, and SEB in 2014, we expect a number of new and potentially repeat issuers in 2015," said the rating agency. "These instruments could account for a large share of the capital build over the next two years.

"While increased issuance of loss-absorbing Basel III-compliant hybrid instruments would reduce the proportion of core equity, we note that Nordic banks have a strong quality of capital, represented by common equity to TAC exceeding 90%," it added. "Consequently, we believe that hybrid issuance could bring improvements in the banks' RAC ratios and, in some instances, could support SACP improvements." ■

## Nordic FIs & Covered Bonds

Produced by **NewType Media**,  
publisher of

### The Covered Bond Report

Neil Day  
Managing Editor  
nday@coveredbondreport.com  
+44 20 7428 9575

Tom Revell  
Reporter  
trevell@coveredbondreport.com  
+44 20 7267 5354

news.coveredbondreport.com

In association with



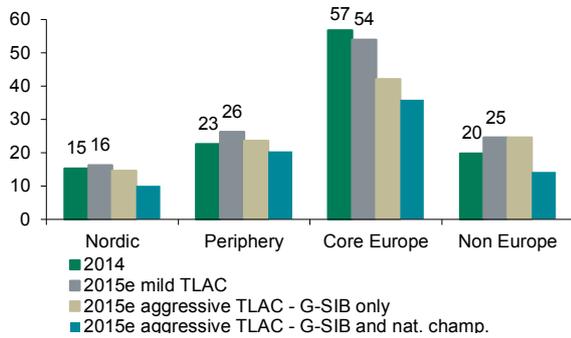
Vincent Hoarau  
Head of FIG Syndicate  
vincent.hoarau@ca-cib.com  
+44 20 7214 6162

Julian Burkhard  
Global Head of Capital Solutions,  
Head of FI DCM Nordics & UK  
julian.burkhard@ca-cib.com  
+44 20 7214 5472

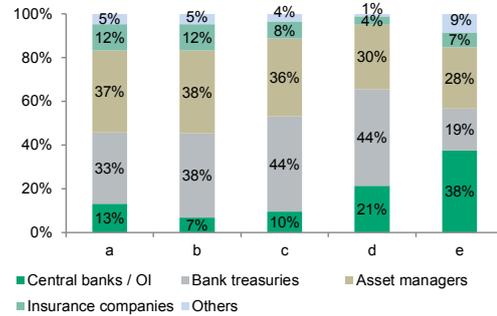
Florian Eichert  
Senior Covered Bond Analyst  
florian.eichert@ca-cib.com  
+44 20 7214 6402

# Covered bond outlook 2015: Comfortably numb

Euro benchmark covered bond issuance forecast for 2015



Investor distribution by investor type for Eurozone euro benchmark covered-bond issues (%)



Source: Crédit Agricole CIB

(continued from page 1)

bond markets and less US dollar issuance, while at the same time the Finnish weight could grow as Swedish and Danish issuers make use of their Eurozone subsidiaries to access CBPP3 demand.

We also expect more issuers to make use of soft bullet structures. Issuers from the Netherlands, France and Switzerland are these days joining the soft bullet camp. In Nordic countries soft bullets are already widespread, with Norway and Denmark only issuing soft bullets and Finland predominantly making use of this. Even the first Swedish issuers have started to do this and we would expect others to follow.

### CBPP3 activity and impact

We've mentioned the ECB already at the beginning of this article and the impact it has had on spreads. The biggest problem the CBPP3 has is its danger of crowding out private sector investors and reducing the depth of our market. The ECB mentioned on a number of occasions that it wants to maintain a functioning investor base in covered bonds.

Well, as can be the case with good intentions, it is hard to keep promises in real life. The share of central banks in euro benchmark covered bond new issues from the Eurozone went up in recent weeks at the expense of asset managers and bank treasuries. The latter have predominantly moved to SSA and sovereign debt, while the former have moved on to sovereign debt, corporate bonds and bank senior and sub debt.

In general there are two main themes among investors in the last few days and weeks:

- At these spread levels covered bonds are not an attractive proposition to end-clients, and investors overweight either sovereign debt or go the other way, buying corporates or senior/sub bank debt.

- Given the difficult liquidity situation in the market, net negative issuance and the CBPP3 constantly buying in the secondary market, big accounts in particular are starting to question whether they can in practice maintain the same focus on the asset class as in the past.

The first theme is something that can probably be sorted out by core covered bonds widening 10bp-15bp to get back to around swap flat and Bunds plus 25bp-30bp, which would bring back bank treasuries and asset managers with LCR mandates. In the periphery, moving 20bp-30bp wider to get a little closer to their domestic sovereign debt would probably bring back some of the yield-hungry asset managers and insurance companies.

The second theme, however, is more structural in nature and more worrying, especially when thinking about a potential time after CBPP3.

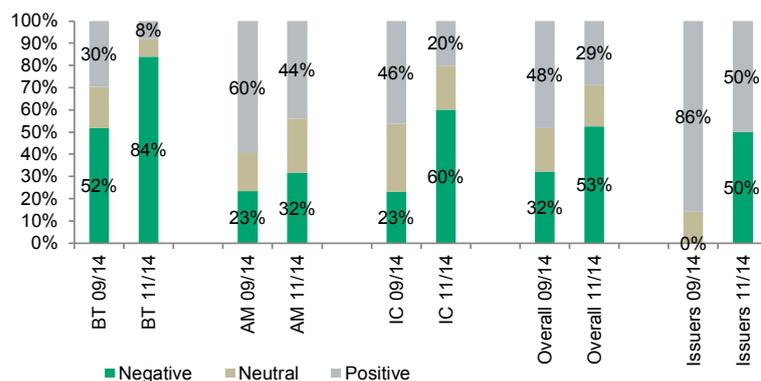
From our meetings in the last days we can say that much of the covered bond underweight so far has been tactical in nature. With all of the talk about investors moving out of the asset class, at the end of the day it is probably fair to assume that a low double-digit billion amount has changed hands so far. After all, our secondary purchase estimate for the CBPP3 is around Eu16bn so far and the big account on the buying end of this rotation has after all been CBPP3.

However, we are at the year-end and in the coming days and weeks many investors will have their year-end meetings with their end-clients. And one thing that will certainly be discussed is the asset allocation and benchmarks to be used for 2015.

The feedback to our second CBPP3 survey is all pointing in the same direction. Many accounts are frustrated and

(continued on page 4)

What impact do you think the CBPP3 will have on covered bond investors? Answers by investor type (%)



Source: Crédit Agricole CIB

# IMF recognises Danish moves, but calls for more

A drop in confidence in Danish covered bonds was one of four downside risks highlighted by the International Monetary Fund (IMF) upon the conclusion of its latest report on the Danish economy last week, although the supranational body acknowledged progress being made by the authorities in tackling the area.

Although the likelihood of Denmark experiencing such an event occurring was considered low and the lowest among the risks highlighted in the report, its impact if it materialised was seen as the highest.

The IMF (pictured) acknowledged that financial stability risks in Denmark are “contained”, noting several steps the authorities have taken since the onset of the financial crisis, including, among other measures, recent legislation requiring the maturity extension of covered bonds in stress situations with the aim of reducing refinancing risk in the mortgage finance system. The new Danish supervisory diamond for mortgage credit institutions was also noted.

However, the IMF said that while such



policy actions have helped safeguard financial stability, the large size and high domestic interconnectedness of the financial system require even greater resilience, and made several recommendations.

“To mitigate risks introduced by recent product innovation, use regulatory policies to encourage longer bond maturities, ensure that interest-rate risk is better reflected in loan pricing and approvals, and increase buffers in loans

with interest-only periods, for example, by reducing the loan-to-value ceiling,” it said. “The proposal for a supervisory diamond for mortgage credit institutions goes in the right direction.”

Moody’s said on Monday that implementation of the IMF’s recommendations would be credit positive for Danish mortgage credit institutions and covered bonds because they address vulnerabilities in the mortgage market. ■

(continued from page 3)

despite the expectation of further spread tightening eventually, their predominant fear is to be further crowded out while no new investors are expected.

## CBPP3 determining our bottom line recommendation

Consequently we have chosen a rather conservative stance in our covered bond outlook. We feel that at the current spread levels there is not sufficient demand to stabilise the market without CBPP3. And given the stable CBPP3 buying, the central banks’ activity is likely sufficient to support covered bonds in the long run and keep volatility levels fairly low, especially when putting covered bonds into the bigger context. The programme is, however, not reactive enough to respond to weaker days with more selling. It thus cannot prevent markets from widening in the shorter term. Accessing today’s market does carry noticeable execution risk for issuers at these spreads, even when factoring in CBPP3 buying. It is tougher for syndicate banks to find 30% private sector demand these days

after CBPP3 buys the maximum 70% than it was to find 100% private sector demand three months ago.

The most likely way the market will move in the coming weeks is range-bound trading. Individual accounts that decide to sell in bigger size will trigger widening while the ongoing buying of CBPP3 will push the market back tighter in the following days.

We thus continue to favour a buy-on-dips strategy for investors’ tactical asset allocation, while maintaining a structural underweight of covered bonds versus sovereign debt and the SSA space.

For a healthier market and a more structural shift back to more covered bonds, we would need the ECB to focus on other markets with its buying, which would make covered bonds look more attractive in relative terms. Should the ECB decide to go for this we expect covered-sovereign spreads to widen from both ends of this product pair as investors would certainly question CBPP3’s ongoing commitment. In our view, CBPP3 would, however, continue to buy at an unchanged pace, and at Bund spreads of

30bp covered bonds are LCR-efficient instruments again, adding private sector demand to the ECB’s buying. To us, the sooner QE and this widening comes the better for the covered bond investor base. Staying in this zombie-like range-bound trading mode means we will be bleeding investors week after week.

The positive aspect of these squeezed markets is that for the first time in a long time, fundamental analysis does make sense again. As sectors have compressed substantially, investors don’t have to pay up to move into the better quality. At the beginning of last year one would have still given up carry to move out of French, Belgian or Austrian covered bonds into some strong Nordic programmes. These days, with the CBPP3 having distorted Eurozone covered bond levels, this move cannot only be done for free but it actually adds carry to portfolios.

**Florian Eichert**  
Senior Covered Bond Analyst  
**Stephan Dorner**  
Covered Bond Analyst  
Crédit Agricole CIB

# Euro Nordic covered bond & senior unsecured secondary spreads

*Nordic benchmarks: covered versus ASW, senior unsecured (shaded) versus Z spreads, 18/12/14.*

| ISIN                           | Coupon    | Maturity   | Mid Spd | ISIN           | Coupon | Maturity   | Mid Spd |
|--------------------------------|-----------|------------|---------|----------------|--------|------------|---------|
| <b>AKTIA (*AKTIA REMB)</b>     |           |            |         | <b>POHBK</b>   |        |            |         |
| XS0640889803*                  | 3.125     | 22/06/2016 | -4      | XS0785351213   | 1.625  | 23/05/2017 | -11     |
| XS0946639381                   | 1.125     | 25/06/2018 | -5      | XS0646202407   | 3.500  | 11/07/2018 | -9      |
| XS1056447797                   | 1.000     | 15/04/2019 | -4      | XS1076088001   | 0.750  | 11/06/2019 | -7      |
| <b>BRF</b>                     |           |            |         | XS1045726699   | 1.500  | 17/03/2021 | -3      |
| XS0882166282                   | 2.500     | 31/01/2018 | 49      | XS1144844583   | 1.000  | 28/11/2024 | 5       |
| <b>DANBNK</b>                  |           |            |         | XS0758309396   | 2.625  | 20/03/2017 | 6       |
| XS1113212721                   | 0.375     | 26/08/2019 | -2      | XS0540216669   | 3.000  | 08/09/2017 | 5       |
| XS0469000144                   | 4.125     | 26/11/2019 | -3      | XS0931144009   | 1.250  | 14/05/2018 | 15      |
| XS1071388117                   | 1.250     | 11/06/2021 | 4       | XS1077588017   | 1.125  | 17/06/2019 | 18      |
| XS0519458755                   | 3.750     | 23/06/2022 | 5       | XS1040272533   | 2.000  | 03/03/2021 | 24      |
| XS0802067636                   | 2.500     | 09/07/2015 | -1      | <b>SAMBANK</b> |        |            |         |
| XS0627692204                   | 3.875     | 18/05/2016 | 2       | XS0693226978   | 2.750  | 19/10/2016 | -9      |
| XS0751166835                   | 3.875     | 28/02/2017 | 10      | XS0834714254   | 1.625  | 27/09/2019 | -5      |
| XS1139303736                   | 3mE+35    | 19/11/2018 | 39      | XS0640463062   | 3.875  | 21/06/2021 | 3       |
| <b>DNBNO</b>                   |           |            |         | <b>SBAB</b>    |        |            |         |
| XS0728790402                   | 2.375     | 11/04/2017 | -8      | XS1117542412   | 0.625  | 07/10/2021 | 2       |
| XS0877571884                   | 1.000     | 22/01/2018 | -6      | XS0968885623   | 2.375  | 04/09/2020 | 41      |
| XS0992304369                   | 1.125     | 12/11/2018 | -5      | <b>SEB</b>     |        |            |         |
| XS0794233865                   | 1.875     | 18/06/2019 | -3      | XS0548881555   | 2.625  | 16/10/2017 | -10     |
| XS1117515871                   | 0.375     | 07/10/2019 | -1      | XS0894500981   | 1.500  | 25/02/2020 | -4      |
| XS0637846725                   | 3.875     | 16/06/2021 | 2       | XS0988357090   | 1.625  | 04/11/2020 | -3      |
| XS1137512742                   | 3mE+10bp  | 17/11/2021 | 11      | XS0614401197   | 4.125  | 07/04/2021 | 0       |
| XS0759310930                   | 2.750     | 21/03/2022 | 4       | XS0628653007   | 3.750  | 19/05/2016 | 4       |
| XS0856976682                   | 1.875     | 21/11/2022 | 5       | XS0730498143   | 3.875  | 12/04/2017 | 8       |
| XS0522030310                   | 3.875     | 29/06/2020 | 14      | XS0592695000   | 4.250  | 21/02/2018 | 14      |
| XS0595092098                   | 4.375     | 24/02/2021 | 24      | XS0972089568   | 2.000  | 18/03/2019 | 13      |
| XS0732513972                   | 4.25      | 18/01/2022 | 29      | XS0854425625   | 1.875  | 14/11/2019 | 14      |
| <b>EIKBOL</b>                  |           |            |         | XS1033940740   | 2.000  | 19/02/2021 | 26      |
| XS0736417642                   | 2.250     | 25/01/2017 | -4      | <b>SHBASS</b>  |        |            |         |
| XS0851683473                   | 1.250     | 06/11/2017 | -5      | XS0760243328   | 1.875  | 21/03/2017 | -12     |
| XS0794570944                   | 2.000     | 19/06/2019 | 2       | XS0906516256   | 1.000  | 19/06/2018 | -7      |
| XS1044766191                   | 1.500     | 12/03/2021 | 5       | XS1050552006   | 1.000  | 04/01/2019 | -5      |
| <b>JYBC</b>                    |           |            |         | XS1135318431   | 0.625  | 10/11/2021 | 1       |
| XS0856532618                   | 3mE+110bp | 20/05/2015 | 15      | XS0490111563   | 3.750  | 24/02/2017 | 4       |
| XS1078186001                   | 3mE+50bp  | 19/06/2017 | 34      | XS0732016596   | 3.375  | 17/07/2017 | 4       |
| <b>LANSBK</b>                  |           |            |         | XS0794225176   | 2.250  | 14/06/2018 | 5       |
| XS0926822189                   | 1.125     | 07/05/2020 | 1       | XS0965050197   | 2.250  | 27/08/2020 | 11      |
| <b>MINGNO</b>                  |           |            |         | XS0693812355   | 4.375  | 20/10/2021 | 17      |
| XS0893363258                   | 2.125     | 21/02/2018 | 29      | XS0819759571   | 2.625  | 23/08/2022 | 21      |
| XS1069518451                   | 1.500     | 20/05/2019 | 37      | <b>SPABOL</b>  |        |            |         |
| <b>NDASS</b>                   |           |            |         | XS0495145657   | 3.250  | 17/03/2017 | -7      |
| XS0478492415                   | 3.500     | 18/01/2017 | -12     | XS0820929437   | 1.250  | 28/02/2018 | -5      |
| XS0731649660                   | 2.375     | 17/07/2017 | -13     | XS0738895373   | 2.750  | 01/02/2019 | -5      |
| XS0965104978                   | 1.375     | 20/08/2018 | -12     | XS0995022661   | 1.500  | 20/01/2020 | -1      |
| XS1014673849                   | 1.250     | 14/01/2019 | -9      | XS0942804351   | 1.500  | 12/06/2020 | 1       |
| XS0778465228                   | 2.250     | 03/05/2019 | -7      | XS0587952085   | 4.000  | 03/02/2021 | 2       |
| XS0874351728                   | 1.375     | 15/01/2020 | -4      | XS0674396782   | 3.375  | 07/09/2021 | 3       |
| XS0591428445                   | 4.000     | 10/02/2021 | -2      | <b>SPAROG</b>  |        |            |         |
| XS1132790442                   | 1.000     | 05/11/2024 | -1      | XS0853250271   | 2.000  | 14/05/2018 | 36      |
| XS0801636571                   | 2.250     | 05/10/2017 | 13      | XS0965489239   | 2.125  | 27/02/2019 | 41      |
| XS0916242497                   | 1.375     | 12/04/2018 | 17      | XS0876758664   | 2.125  | 03/02/2020 | 44      |
| XS0728763938                   | 4.000     | 11/07/2019 | 16      | XS1055536251   | 2.125  | 14/04/2021 | 63      |
| XS0520755488                   | 4.000     | 29/06/2020 | 16      | <b>SWEDA</b>   |        |            |         |
| XS1032997568                   | 2.000     | 17/02/2021 | 23      | XS0496542787   | 3.375  | 22/03/2017 | -11     |
| XS0801636902                   | 3.250     | 05/07/2022 | 12      | XS0925525510   | 1.125  | 07/05/2020 | -1      |
| <b>NYKRE (*senior secured)</b> |           |            |         | XS1069674825   | 1.125  | 21/05/2021 | -1      |
| LU0787776052*                  | 3.250     | 01/06/2017 | 30      | XS0768453101   | 2.375  | 04/04/2016 | -2      |
| LU0921853205*                  | 1.750     | 02/05/2018 | 30      | XS0740788699   | 3.375  | 09/02/2017 | 12      |
| LU0996352158*                  | 1.750     | 28/01/2019 | 36      | XS1045283766   | 1.500  | 18/03/2019 | 11      |

Source: Crédit Agricole CIB Trading, Bloomberg – See disclaimer on page 6

## Disclaimer

*This material has been prepared by Cr dit Agricole Corporate and Investment Bank or one of its affiliates (collectively "Cr dit Agricole CIB"). It does not constitute "investment research" as defined by the Financial Conduct Authority and is provided for information purposes only. It is not to be construed as a solicitation or an offer to buy or sell any financial instruments and has no regard to the specific investment objectives, financial situation or particular needs of any recipient. Cr dit Agricole CIB does not act as an advisor to any recipient of this material, nor owe any recipient any fiduciary duty and nothing in this material should be construed as financial, legal, tax, accounting or other advice. Recipients should make their own independent appraisal of this material and obtain independent professional advice from legal, tax, accounting or other appropriate professional advisers before embarking on any course of action. The information in this material is based on publicly available information and although it has been compiled or obtained from sources believed to be reliable, such information has not been independently verified and no guarantee, representation or warranty, express or implied, is made as to its accuracy, completeness or correctness. This material may contain information from third parties. Cr dit Agricole CIB has not independently verified the accuracy of such third-party information and shall not be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to be caused by or in connection with the use of or reliance on this information. Information in this material is subject to change without notice. Cr dit Agricole CIB is under no obligation to update information previously provided to recipients. Cr dit Agricole CIB is also under no obligation to continue to provide recipients with the information contained in this material and may at any time in its sole discretion stop providing such information. Investments in financial instruments carry significant risk, including the possible loss of the principal amount invested. This material may contain assumptions or include projections, forecasts, yields or returns, scenario analyses and proposed or expected portfolio compositions. Actual events or conditions may not be consistent with, and may differ materially from, those assumed. Past performance is not a guarantee or indication of future results. The price, value of or income from any of the financial products or services mentioned herein can fall as well as rise and investors may make losses. Any prices provided herein (other than those that are identified as being historical) are indicative only and do not represent firm quotes as to either price or size. Financial instruments denominated in a foreign currency are subject to exchange rate fluctuations, which may have an adverse effect on the price or value of an investment in such products. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted to, copied or distributed to any other party without the prior express written permission of Cr dit Agricole CIB. No liability is accepted by Cr dit Agricole CIB for any damages, losses or costs (whether direct, indirect or consequential) that may arise from any use of, or reliance upon, this material. This material is not directed at, or intended for distribution to or use by, any person or entity domiciled or resident in any jurisdiction where such distribution, publication, availability or use would be contrary to applicable laws or regulations of such jurisdictions. Recipients of this material should inform themselves about and observe any applicable legal or regulatory requirements in relation to the distribution or possession of this document to or in that jurisdiction. In this respect, Cr dit Agricole CIB does not accept any liability to any person in relation to the distribution or possession of this document to or in any jurisdiction.*

*United States of America: The delivery of this material to any person in the United States shall not be deemed a recommendation to effect any transactions in any security mentioned herein or an endorsement of any opinion expressed herein. Recipients of this material in the United States wishing to effect a transaction in any security mentioned herein should do so by contacting Cr dit Agricole Securities (USA), Inc.*

*United Kingdom: Cr dit Agricole Corporate and Investment Bank is authorised by the Autorit  de Contr le Prudentiel (ACP) and supervised by the ACP and the Autorit  des March s Financiers (AMF) in France and subject to limited regulation by the Financial Conduct Authority and the Prudential Regulation Authority. Details about the extent of our regulation by the Financial Conduct Authority and the Prudential Regulation Authority are available from us on request. Cr dit Agricole Corporate and Investment Bank is incorporated in France and registered in England & Wales Registered number : FC008194. Registered office: Broadwalk House, 5 Appold Street, London, EC2A 2DA.*

  2014, CR DIT AGRICOLE CORPORATE AND INVESTMENT BANK All rights reserved.