

## Supply Outlook 2020: Still heavy activity at extra-long maturities

by *Francesco Maria Di Bella (UniCredit Bank Milan) & Chiara Cremonesi (UniCredit Bank London)*

- We expect gross EGB supply to amount to EUR 860bn in 2020, roughly EUR 30bn larger than this year. This increase will be a result of moderately higher redemptions and deficits and of a different funding mix compared to 2019, with issuance of domestic bonds somewhat larger than this year.
- A combination of low (even negative) yields and quantitative easing is likely to support demand for duration. We hence expect that issuance at the extra-long end will remain healthy, and possibly in line with that of 2019.
- Next year, inflation-linked bond issuance is likely to be in line with that of 2019. Due to abundant redemptions, especially from Italy, net supply is likely to be negative.

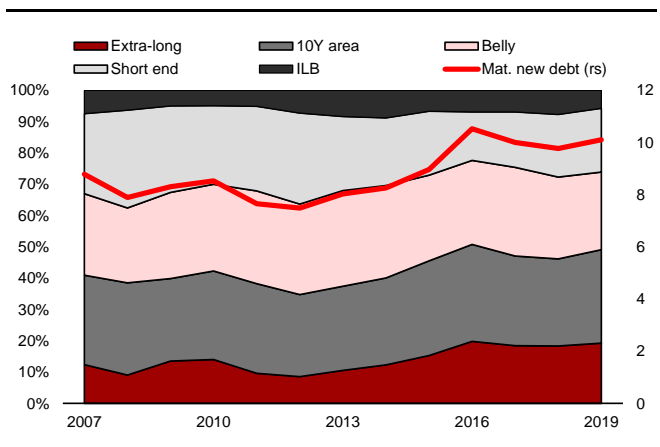
### 1. A lookback at EGB issuance in 2019

In 2019, primary market activity (including buybacks) in the eurozone has amounted to EUR 830bn, which is in line with 2018. Net supply (computed as the difference between supply and redemptions) amounted to EUR 150bn, around EUR 50bn lower than in 2018.

Compared to 2018, issuance at the 10Y area and longer has increased to 49% (from 46%), while there has been a decline in issuance of inflation linked bonds.

Overall, the maturity of new bonds has been around 10 years, which is the second highest level after 2016. The average maturity of the new debt Italy has issued has been around 9.5 years, the second longest duration after 2016 (10 years).

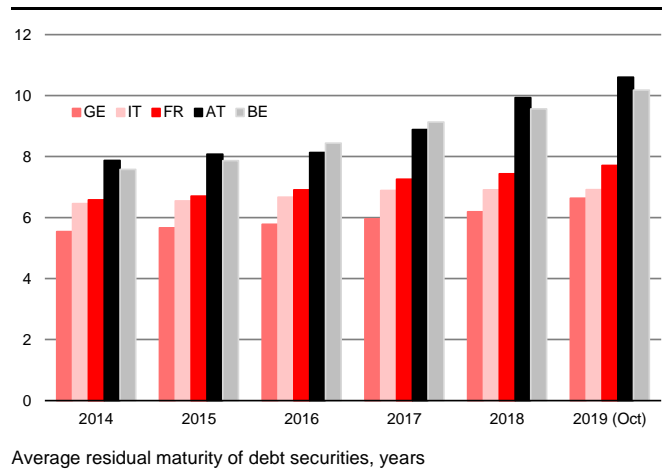
**CHART 1: GROSS ISSUANCE OVER THE LAST FEW YEARS**



Source: Bloomberg, eurozone debt agencies, UniCredit Research

Governments have been able to sell long-maturity bonds despite the fact that, in 2019, net QE purchases were almost zero, with the main contribution from the ECB being reinvestment of PSPP redemptions. That said, 2019 was when Bund yields reached record lows, with even the 30Y Bund yield moving into negative territory in August. The extremely low yield environment offered an incentive to both issuers and investors to move along the curve. Such behavior led to a lengthening of debt maturities across all eurozone countries. Therefore, 2019 saw a continuation of the trend of lengthening the debt maturity that QE kick-started in 2015 in most eurozone countries.

**CHART 2: INCREASE IN DEBT RESIDUAL MATURITY ACROSS EUROZONE COUNTRIES**



Average residual maturity of debt securities, years

Source: Haver, UniCredit Research

### 2. EGB redemptions to rise in 2020 by EUR 15bn

In 2020, domestic bond redemptions will amount to around EUR 695bn, EUR 15bn higher than in 2019. The largest increase will be observed in Germany, followed by Finland, while bond redemptions will be lower in Austria and in Spain.

Redemptions of international bonds will amount to EUR 12bn, roughly in line with 2019, and they will mostly come from Austria (EUR 5bn) and Italy (EUR 3bn).

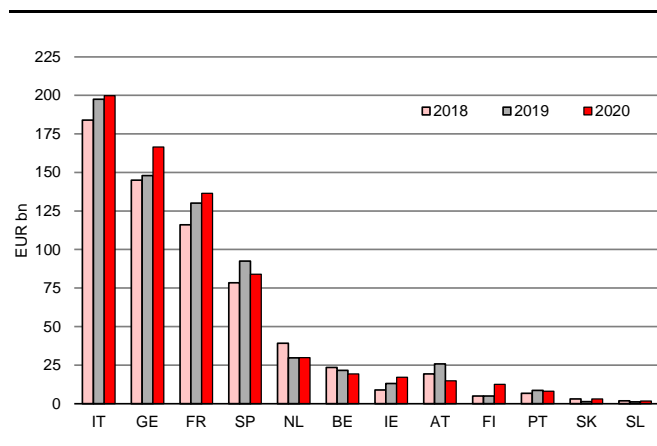
**TABLE 1:  
DOMESTIC BOND REDEMPTIONS WILL RISE BY EUR 15BN IN 2020**

|                 | 2019       | 2020       | Change    |
|-----------------|------------|------------|-----------|
| Austria         | 26         | 15         | -11       |
| Belgium         | 22         | 19         | -2        |
| Finland         | 5          | 13         | 8         |
| France          | 130        | 136        | 6         |
| Germany         | 148        | 166        | 18        |
| Greece          | 4          | 0          | -4        |
| Ireland         | 13         | 17         | 4         |
| Italy           | 198        | 200        | 2         |
| The Netherlands | 30         | 30         | 0         |
| Portugal        | 8          | 8          | 0         |
| Slovenia        | 1          | 2          | 0         |
| Slovakia        | 1          | 3          | 2         |
| Spain           | 92         | 84         | -9        |
| <b>TOTAL</b>    | <b>678</b> | <b>693</b> | <b>15</b> |

Source: Bloomberg, eurozone debt agencies, UniCredit Research

Chart 3 shows that for Germany and France the increase in redemptions in 2020 is a continuation of a trend started in 2018. Redemptions in Italy will stabilize at around the same level as 2019. Domestic redemptions in Spain will be EUR 10bn lower than in 2019. Domestic redemptions in Austria will be EUR 11bn lower than in 2019, but the decline will be partially offset by an increase in international redemptions (+EUR 4.5bn).

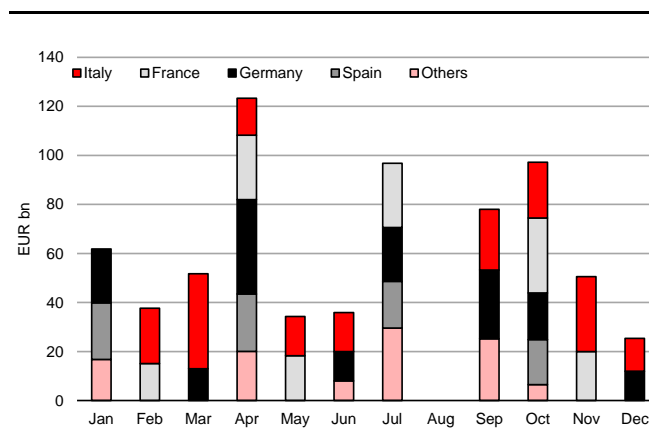
**CHART 3: DOMESTIC REDEMPTIONS BY COUNTRY**



Source: Bloomberg, eurozone debt agencies, UniCredit Research

Chart 4 shows these redemptions' distribution by month. In April, redemptions will exceed EUR 120bn, and they will be particularly abundant also in July and October. Due to a very liquidity-abundant April, the second quarter will be rather intense in terms of redemptions (EUR 190bn), while the first quarter will be lighter (EUR 150bn).

**CHART 4:  
DOMESTIC REDEMPTIONS BY COUNTRY AND BY MONTH**

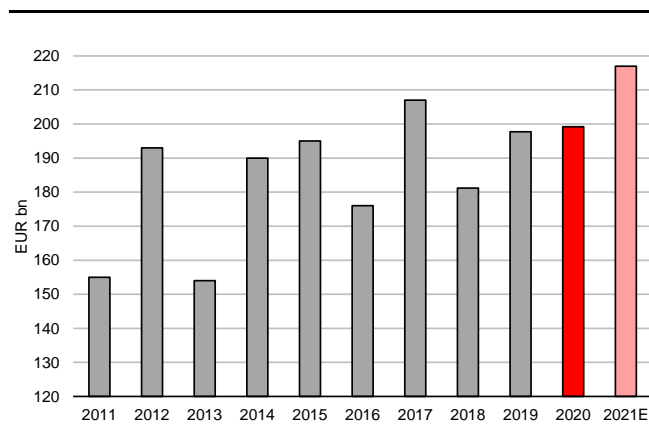


Source: Bloomberg, eurozone debt agencies, UniCredit Research

### 3. Italian redemptions in line with 2019

Next year, Italian redemptions of domestic bonds will amount to EUR 200bn, roughly in line with 2019. Redemptions will then increase in 2021, when they will be about EUR 20bn higher than in 2020.

**CHART 5: DOMESTIC ITALIAN REDEMPTIONS**



Source: Bloomberg, Italy's debt agency, UniCredit Research

A breakdown by instrument (Table 2) shows that, next year, there will be a decline in BTP redemptions, while CTZ redemptions will rise. In addition, there will be no BTPeis expiring, whereas at EUR 23bn, BTPi redemptions will be very abundant. This is the opposite of what was observed in 2019. Redemptions of international bonds will be in line with that of past years.

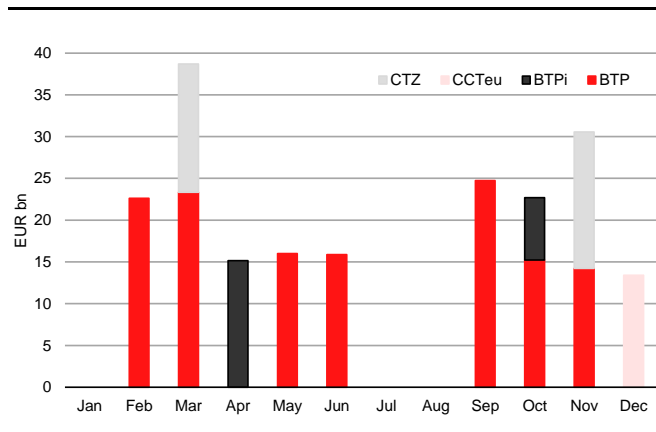
**TABLE 2:  
ITALIAN REDEMPTIONS**

| (EUR bn redemptions)  | 2018       | 2019       | 2020       |
|-----------------------|------------|------------|------------|
| BTP                   | 125        | 143        | 132        |
| BTPei                 | 11         | 19         | 0          |
| BTPi                  | 0          | 0          | 23         |
| CCTeu                 | 22         | 12         | 13         |
| CTZ                   | 24         | 23         | 32         |
| <b>Total Domestic</b> | <b>182</b> | <b>198</b> | <b>200</b> |
| International         | 3          | 4          | 3          |

Source: Bloomberg, Italian debt agency, UniCredit Research

Domestic bond redemptions will be evenly distributed across the year, although they will be rather low in 3Q20 (and concentrated in September). There will be no redemptions in January, July or August. For reference, in 2019, there were no redemptions in January, June or July. March will be the month with the largest amount of redemptions (nearly EUR 40bn), which will create a moderate incentive to front load issuance.

**CHART 6:  
ITALY'S DOMESTIC REDEMPTIONS BY MONTH AND CATEGORY**

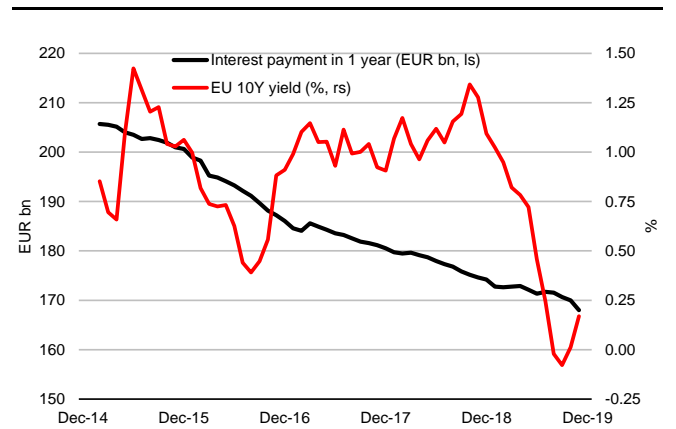


Source: Bloomberg, eurozone debt agencies, UniCredit Research

**4. Coupon payment in the EMU is expected to amount to around EUR 165bn**

Next year, coupon payments in the eurozone will amount to around EUR 165bn, which is roughly EUR 10bn lower than it was in 2019 (Chart 7). The decline in coupon payments, which has already been observed this year, is mainly due to a decrease in interest rates rather than to a reduction in debt. The decline in coupon payments will be more significant in France and Spain (EUR 3bn lower than in 2019).

**CHART 7:  
COUPON INTEREST PAYMENT IN THE EUROZONE WILL DECLINE**

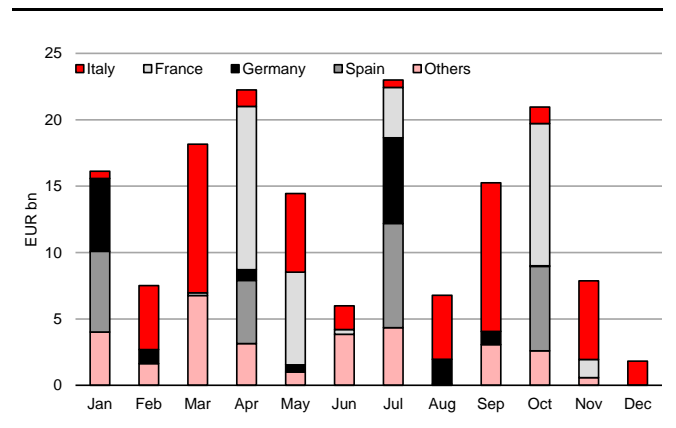


EU 10Y yield is computed as the GDP-weighted average yield in the eurozone.

Source: Bloomberg, ECB, UniCredit Research

Coupon payments will exceed EUR 20bn in April, July and October. Coupons from Italy will peak in the March-September cycle.

**CHART 8: COUPON PAYMENTS BY COUNTRY AND MONTH**



Source: Bloomberg, eurozone debt agencies, UniCredit Research

**5. T-bill net issuance likely to remain neutral next year**

No particular trends in the net issuance of T-bills have emerged over the last few years in the main countries in the eurozone.

**TABLE 3: T-BILLS ARE EXPECTED TO PLAY A MARGINAL ROLE IN TERMS OF FUNDING SOURCES**

|         | 2018  | 2019 | 2020E |
|---------|-------|------|-------|
| Italy   | 0.9   | 7.0  | 0.0   |
| Germany | 4.0   | 0.0  | 0.0   |
| France  | -13.6 | 4.0  | 10.0  |
| Spain   | -8.4  | -1.0 | 0.0   |

Source: Bloomberg, eurozone debt agencies, UniCredit Research

For next year, we do not expect a sizeable change in issuance strategy; although developments in demand for short-term paper will be affected by the market impact of tiering and by any change in the tiering multiplier. France has already announced that it will increase its stock of T-bills, in line with 2019. Italy has enlarged its stock of BOTs in 2019. Next year BOTs issuance policy will depend on how domestic investors' appetite for short-maturities debt will be affected by tiering (note that Italy has very little amount of excess liquidity). Germany and Spain are likely to keep their stocks of T-bills unchanged compared to 2019.

### 6. Issuance in 2020

We expect funding needs in the euro area to increase in 2020 by around EUR 40bn compared to 2019 (from EUR 870bn to EUR 910bn). This is the result of an increase in domestic bond redemptions (EUR +15bn) and in the cash deficit (EUR +14bn) and an increase (by EUR 12bn) in other funding needs (e.g. repayment of IMF/European Stability Mechanism package, build up of cash balance).

We see the risks to our estimate of funding needs next year as broadly balanced.

Turning to funding sources, we expect EUR 860bn (out of EUR 910bn in financing needs) to be financed via the issuance of medium and long-term domestic bonds, around EUR 15-20bn to be financed via positive net supply of T-bills (mainly from France) and EUR 35bn to be financed via the issuance of other instruments (retail bonds, international bonds, etc.). Compared to 2019, we expect the contribution of net domestic bond issuance to increase (by around EUR 30bn).

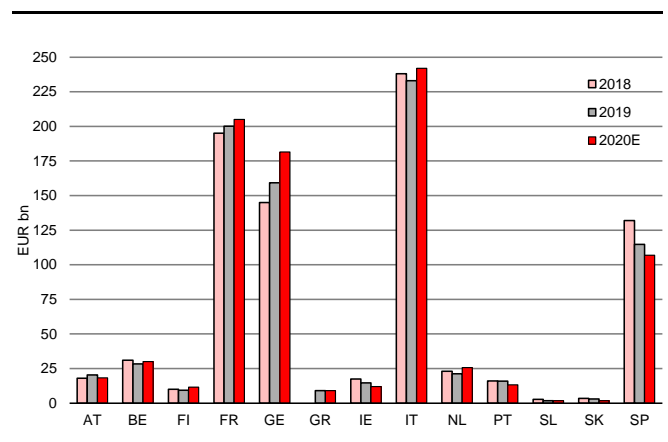
TABLE 4: FUNDING NEEDS AND SOURCES IN 2020

|            | Funding Needs |              |           |            | Funding Sources |               |           |            |  |
|------------|---------------|--------------|-----------|------------|-----------------|---------------|-----------|------------|--|
|            | Redemptions   | Cash deficit | Others    | Tot.       | M/L Issuance    | MM Net supply | Others    | Tot        |  |
| AT         | 19            | 0            | 0         | 20         | 18              | 0             | 2         | 20         |  |
| BE         | 21            | 11           | 0         | 32         | 30              | 0             | 2         | 32         |  |
| FI         | 15            | 3            | 0         | 18         | 12              | 6             | 1         | 18         |  |
| FR         | 136           | 93           | 1         | 231        | 205             | 10            | 16        | 231        |  |
| GE         | 166           | 15           | 0         | 181        | 181             | 0             | 0         | 181        |  |
| GR*        | 0             | -2           | 11        | 9          | 9               | 0             | 0         | 9          |  |
| IE         | 17            | -1           | 7         | 23         | 12              | 2             | 10        | 23         |  |
| IT         | 203           | 44           | 0         | 247        | 242             | 0             | 5         | 247        |  |
| NL         | 30            | -4           | 0         | 26         | 26              | 0             | 0         | 26         |  |
| PT         | 8             | 2            | 4         | 13         | 13              | 0             | 0         | 13         |  |
| SL         | 2             | 0            | 0         | 2          | 2               | 0             | 0         | 2          |  |
| SK         | 3             | -1           | 0         | 2          | 2               | 0             | 0         | 2          |  |
| SP         | 84            | 23           | 0         | 107        | 107             | 0             | 0         | 107        |  |
| <b>TOT</b> | <b>704</b>    | <b>184</b>   | <b>22</b> | <b>911</b> | <b>859</b>      | <b>17</b>     | <b>35</b> | <b>911</b> |  |

\*Despite negative net funding needs, we expect Greece to issue an amount of domestic bonds in line with 2019, which would contribute towards the creation of a cash buffer.

Source: Bloomberg, eurozone debt agencies, UniCredit Research

CHART 9: GROSS DOMESTIC ISSUANCE IN THE EUROZONE



Source: Bloomberg, eurozone debt agencies, UniCredit Research

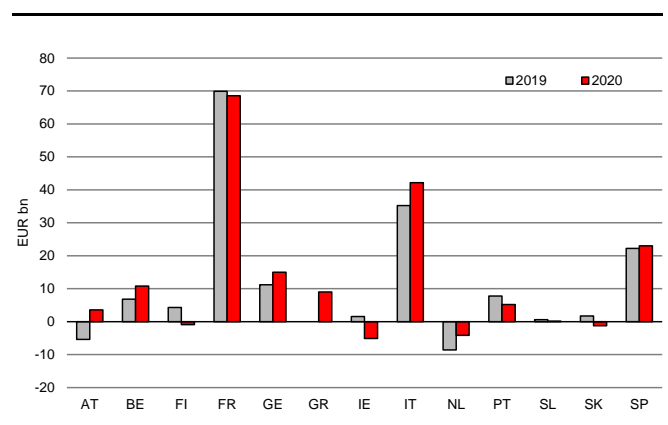
As shown by Chart 9, compared to 2019, gross issuance next year is likely to increase sizably in Germany (by EUR 22bn, mainly due to higher redemptions), and will go up moderately in France and in the Netherlands (EUR 5bn up), as well as in Italy (EUR 9bn).

In Italy, the increase in financing needs in 2020 vs. 2019 will be moderate (+EUR 7bn, EUR 2bn in redemptions and EUR 5bn in deficit), but we expect a slightly different funding mix compared to 2019, with T-bills net supply neutral and funding in other instruments (mainly dollar-denominated bonds) declining. In this context, we expect domestic M/L bond issuance net of buybacks to increase by EUR 9bn.

Conversely, gross issuance in Spain is likely to slow (EUR 8bn down) due to lower redemptions and in Portugal (EUR 3bn down) due to a lower deficit.

We expect net bond issuance to increase by almost EUR 20bn next year, with Austria, Italy, Germany and the Netherlands contributing to the increase and Finland, Ireland and Portugal partially offsetting their positive contribution.

CHART 10: NET DOMESTIC ISSUANCE IN THE EUROZONE

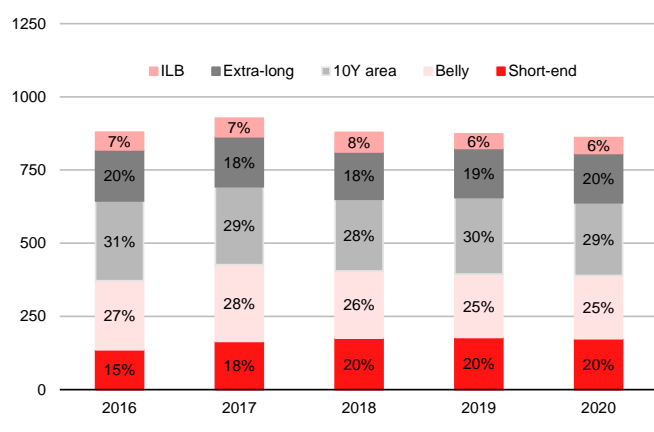


Source: Bloomberg, eurozone debt agencies, UniCredit Research

In terms of distribution by bucket of domestic issuance (see Chart 11) we expect little change compared to 2019: the portion of funding at the extra-long end might increase, but only marginally and the portion of funding at the 10Y might decline slightly to offset this increase. The important trend to highlight is that since the start of QE1, issuance at the extra-long end of the curve has remained sizeable as a portion of funding for Eurozone issuers and we do not expect this trend to change in 2020.

We expect Portugal, Finland and Austria to register an increase in the maturity of their issuance in 2020 compared to 2019, while Ireland and to a lesser extent Belgium, should experience a decline in maturity of their issuance, as they are unlikely to issue new 30Y benchmarks next year. Notably, we expect Germany to have a similar funding strategy, and hence a similar average maturity, as this year.

**CHART 11: DISTRIBUTION OF DOMESTIC BOND ISSUANCE BY BUCKETS**



Source: Eurozone debt agencies, UniCredit Research

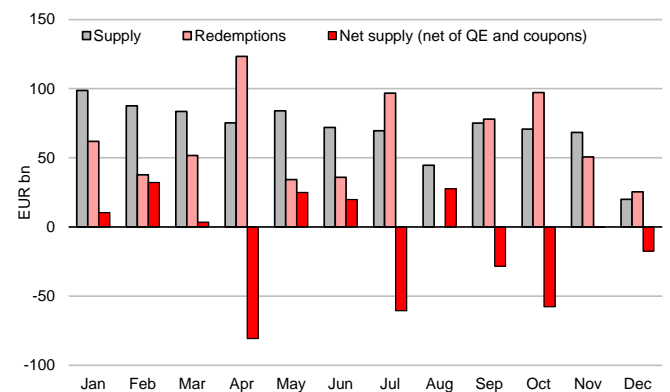
**TABLE 5: MATURITY OF DOMESTIC BOND ISSUANCE BY COUNTRY: 2020 VS. 2019**

|    | 2019 | 2020 | Change |
|----|------|------|--------|
| AT | 13.3 | 16.6 | 3.2    |
| BE | 16.1 | 14.8 | -1.2   |
| FI | 10.2 | 13.8 | 3.6    |
| FR | 11.6 | 11.4 | -0.2   |
| GE | 7.8  | 7.7  | 0.0    |
| IE | 18.0 | 12.1 | -5.9   |
| IT | 9.5  | 9.6  | 0.1    |
| NL | 11.9 | 13.4 | 1.4    |
| PT | 10.5 | 14.3 | 3.8    |
| SL | 10.0 | 10.0 | 0.0    |
| SK | 12.5 | 13.6 | 1.1    |
| SP | 9.5  | 10.4 | 0.9    |

Source: Eurozone debt agencies, UniCredit Research

In terms of monthly distribution, based on what we have observed during the last three years, we expect the first quarter of 2020 to be the most intense. However, as shown in Chart 12, redemptions will support auctions, increasing market liquidity. Moreover, if one also includes coupons and the ECB's net purchases, liquidity conditions are likely to improve even more.

**CHART 12: THE ECB'S NET PURCHASES ARE EXPECTED TO BOOST EGB LIQUIDITY**

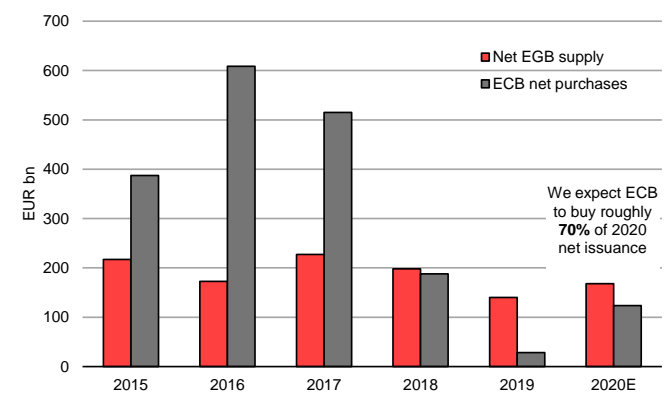


Source: Bloomberg, eurozone debt agencies, UniCredit Research

### 7. The impact of QE

Next year, the new round of QE will likely affect issuers decisions, especially with respect to the funding mix and the maturity of issuance.

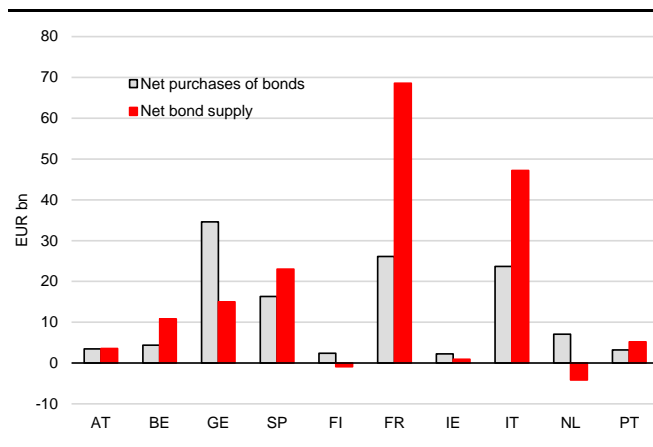
**CHART 13: NET SUPPLY AND PSPP**



Source: Bloomberg, eurozone debt agencies, UniCredit Research

The share of net issuance likely to be bought by the ECB next year is 70%. As usual, the distribution will vary from one jurisdiction to another. For example, QE purchases are likely to have a significant impact for Germany, Austria and the Netherlands where they will most likely exceed net issuance.

**CHART 14:**  
**NET DOMESTIC M/L BOND SUPPLY\* AND PSPP BY COUNTRY**



\*Bond supply only includes government bonds, while it does not include agencies or states bonds issuance.

Source: Bloomberg, eurozone debt agencies, UniCredit Research

**8. New 10Y and extra-long benchmarks**

**TABLE 6: NEW NOMINAL AND INFLATION LINKED EXTRA-LONG BONDS EXPECTED**

| Country | Issued in 2019                | Expected in 2020            |
|---------|-------------------------------|-----------------------------|
| BE      | 30Y (OLO 1.7% Jun50)*         | 15Y*                        |
| FI      | None                          | 30Y*                        |
| FR      | 30Y (OAT 1.50% May50)*        | 15Y (possibly green bonds)* |
|         | 10Y OATei (OATei 0.10% Mar29) | 10Y OATi                    |
| GE      | 30Y (Bund Aug50)              | None                        |
|         | None                          | 15Y BundeI                  |
| IE      | 30Y (IRISH 1.50% May50)*      | None                        |
| NL      | 20Y (DSL 0.50% Jan40)         | 30Y                         |
| PT      | None                          | 15Y*                        |
| SK      | None                          | 30Y*                        |
| SP      | 15Y (SPGB 1.85% Jul35)*       | 30Y*                        |

\*sale via a syndicated deal

Source: eurozone debt agencies, UniCredit Research

- We expect **Belgium** to sell a new 10Y OLO in January, along with a new 15Y OLO in the first half of next year.
- **Finland** is likely to sell a new 10Y benchmark. In addition, it might issue a new 30Y RFGB.
- We expect **France** to issue two new 10Y OATs, as it has done this year. Moreover, France will likely issue a new 15Y OAT, possibly a green bond. In addition, France will continue to tap extra-long OATs, such as the 30Y and the 50Y benchmark.

- After having issued its first 30Y Bund with a coupon set to 0%, we do not expect **Germany** to sell a new 30Y benchmark. In terms of other benchmarks, it will likely maintain the current setup by issuing four new Schatzs, two new ObIs and two new 10Y Bunds. However, next year, along with the traditional lines, Germany is expected to launch green bonds with maturities of between five and ten years.
- **Ireland** is likely to sell a new 10Y benchmark at the beginning of next year and to tap existing extra-long benchmarks.
- We expect **the Netherlands** to issue a new 10Y DSL and a new 30Y DSL. Indeed, as stated in November, the Dutch treasury aims to extend debt maturity in the coming years.
- **Portugal** might exploit the particularly favorable environment (good support from ECB's QE2 and rating improvement) to lengthen debt maturity. In this respect, we expect Portugal to issue a new 15Y benchmark, along with a new 10Y PBG.
- **Slovakia** is likely to issue a new 30Y bond along with a new 10Y bond.
- We expect **Slovenia** to issue a new 10Y benchmark.
- In line with what it has done in the past, **Spain** will likely issue two new 10Y benchmarks. Moreover, we expect it to sell a new 30Y SPGB. In addition, Spain is likely to tap the current 15Y and 50Y benchmarks. If demand is abundant, Spain might decide to issue a new 50Y benchmark.

**9. New benchmarks: focus on Italy and Austria**

We expect **Italy** to issue one new line of CCTeu and two new lines of 3Y BTP, 5Y BTP, 7Y BTP, 10Y BTP and CTZ next year. 2019 has been an impressive year for the Italian treasury which has successfully conducted six syndicated deals: new 15Y, 30Y, 20Y, 10Y ILB, dollar-denominated bonds and tap of 50Y BTP. Next year, we expect Italy to issue a new 15Y BTP and a new 30Y BTP possibly in 1Q. In addition, a new 50Y BTP and a new extra-long BTPei are possible. Last but not least, the Italian Treasury has said that they aim at issuing more dollar-denominated bonds next year. To wrap up, based on our estimates, next year Italy will hold five syndicated deals, slightly less than those conducted this year. Importantly, the Italian Treasury has recently hinted that in 2H 2020 it will likely issue its first green bond.

**TABLE 7: ITALY'S EXPECTED BENCHMARKS**

| Benchmark | Issued in 2019                     | Expected in 2020                   |
|-----------|------------------------------------|------------------------------------|
| 3Y BTP    | 1Q19: BTP Jul22<br>3Q19: BTP Jan23 | 2 new lines<br>(1Q20 and 3Q20)     |
| 5Y BTP    | 2Q19: BTP Jul24<br>4Q19: BTP Feb25 | 2 new lines<br>(2Q20 and 4Q20)     |
| 7Y BTP    | 2Q19: BTP Jul26<br>4Q19: BTP Jan27 | 2 new lines<br>(2Q20 and 4Q20)     |
| 10Y BTP   | 1Q19: BTP Aug29<br>3Q19: BTP Apr30 | 2 new lines<br>(1Q20 and 3Q20)     |
| 15Y BTP   | 1Q19: BTP Mar35*                   | 1 new line* (1Q20)                 |
| 20Y BTP   | 2Q19: BTP Mar40*                   | Reopening of the current benchmark |
| 30Y BTP   | 1Q19: BTP Sep49*                   | 1 new line* (1Q20)                 |
| 50Y BTP   | 3Q19: Reopening of BTP Mar67*      | 1 new line* (2H20)                 |
| CTZ       | 2Q19: CTZ Jun21<br>4Q19: CTZ Nov21 | 2 new lines<br>(2Q20 and 4Q20)     |
| CCTeu     | 1Q19: CCTeu Jan25                  | 1 new line (1Q20)                  |
| BTPei     | 4Q19: BTPei May30*                 | 15Y+ (1H20)*                       |
| BTPi      | 4Q19: BTPi Oct27                   | 1 new line                         |

\*sale via a syndicated deal  
Source: Bloomberg, eurozone debt agencies, UniCredit Research

In line with past years, **Austria** is likely to issue a new 10Y RAGB at the beginning of next year to replace RAGB 0.5% Feb29. In addition, we expect Austria to issue a new 30Y benchmark, which would replace RAGB 1.50% Feb47. Furthermore, Austria is likely to reopen other extra-long RAGBs.

**TABLE 8: AUSTRIA'S EXPECTED BENCHMARKS**

| Benchmark | Issued in 2019         | Expected in 2020   |
|-----------|------------------------|--------------------|
| 5Y RAGB   | 3Q19: RAGB Jul24*      | -                  |
| 10Y RAGB  | 1Q19: RAGB 0.5% Feb29* | 1 new line* (1Q20) |
| 30Y RAGB  | -                      | 1 new line*        |

\*sale via a syndicated deal  
Source: Bloomberg, eurozone debt agencies, UniCredit Research

**10. Net supply of inflation linked bonds (excluding BTP Italia) likely to turn negative**

The current environment, characterized by low inflation and subdued inflation expectations, means that demand for inflation linked bonds is not particularly healthy. With regard to both European and domestic inflation linked bonds (i.e. BTP Italia and OATi), in 2019, eurozone issuers have sold around EUR 50bn worth, compared to EUR 60bn in 2018. Net supply has been almost neutral this year.

In 2020, inflation linked bond redemptions from Italy, France and Germany will amount to EUR 67bn, including BTP Italia, more than EUR 10bn higher than this year.

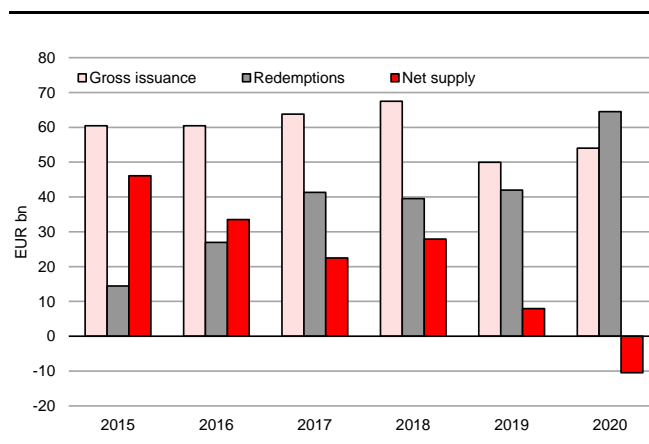
As we do not expect to observe particular improvement in inflation expectations, appetite for inflation linked bonds is unlikely to grow. Hence, for next year, we have penciled in a share of funding via Inflation linked bonds that is similar to that of 2019 (6%, or around EUR 55bn, including domestic inflation bonds).

In light of the abundant redemptions, net supply of inflation linked bonds is likely to be negative next year.

Looking at each subcategory the net supply will be positive for Spanish linkers, for OATis and for BTPeis. On the other hand, the net supply will be negative for Bundeis, OATeis and BTPis. In particular, focusing on BTP Italia, next year, more than EUR 20bn of BTP Italia will expire and we expect only EUR 8bn of issuance, resulting in strongly negative net supply of BTP Italia.

While negative net supply in ILBs would in theory be supportive of the asset class, as we argued, low inflation and inflation expectations do not make it a very appealing instrument for investors.

**CHART 15: NET SUPPLY OF INFLATION LINKED BONDS IS LIKELY TO TURN NEGATIVE NEXT YEAR**



Source: Bloomberg, eurozone debt agencies, UniCredit Research

In terms of new benchmarks, we expect Italy to sell a new BTPei with a maturity of 15-20Y. In addition, we expect that Italy will issue a new BTP Italia, likely with maturity similar to the BTP Italia sold this year. France is also likely to issue a new OATi, possibly with a 10-year tenor, that will be indexed to domestic inflation. We expect a new linker to also come from Germany, which might issue Bundeis 0.50% Apr30 by selling a new 15Y benchmark.

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