

CITIGROUP INC  
Form 424B2  
July 20, 2018

The information in this preliminary pricing supplement is not complete and may be changed. A registration statement relating to these securities has been filed with the Securities and Exchange Commission. This preliminary pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus are not an offer to sell these securities, nor are they soliciting an offer to buy these securities, in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED JULY 19, 2018

**July-----, 2018**

**Medium-Term Senior Notes, Series N**

Citigroup Global Markets Holdings Inc. **Pricing Supplement No. 2018-USNCH1333**

**Filed Pursuant to Rule 424(b)(2)**

**Registration Statement Nos. 333-216372 and 333-216372-01**

Enhanced Barrier Digital Securities Linked to the Worst Performing of the SPDR<sup>®</sup> S&P<sup>®</sup> Oil and Gas Exploration & Production ETF and the VanEck Vectors<sup>®</sup> Gold Miners ETF Due January 24, 2020

The securities offered by this pricing supplement are unsecured debt securities issued by Citigroup Global Markets Holdings Inc. and guaranteed by Citigroup Inc. Unlike conventional debt securities, the securities do not pay interest and do not repay a fixed amount of principal at maturity. Instead, the securities offer a payment at maturity with a value that may be greater than, equal to or less than the stated principal amount, depending on the performance of the **worst performing** of the underlyings specified below.

The securities offer modified exposure to the performance of the worst performing underlying, with a digital (fixed) return at maturity so long as the final underlying value of the worst performing underlying is greater than or equal to its barrier value specified below. In exchange for that feature, investors in the securities must be willing to (i) accept downside exposure to any depreciation of the worst performing underlying if its final underlying value is below its barrier value, (ii) forgo participation in any appreciation of the worst performing underlying in excess of the digital return specified below and (iii) forgo any dividends with respect to any underlying. **If the final underlying value of the worst performing underlying is less than its barrier value, you will not be repaid the stated principal amount of your securities at maturity and, instead, will receive the underlying shares of the worst performing underlying (or, in our sole discretion, cash based on the value thereof) expected to be worth less than your initial investment and possibly worth nothing. You may lose your entire investment in the securities.**

You will be subject to risks associated with each of the underlyings and will be negatively affected by adverse movements in any one of the underlyings.

Investors in the securities must be willing to accept (i) an investment that may have limited or no liquidity and (ii) the risk of not receiving any payment due under the securities if we and Citigroup Inc. default on our obligations. **All payments on the securities are subject to the credit risk of Citigroup Global Markets Holdings Inc. and Citigroup Inc.**

**KEY TERMS**

**Issuer:** Citigroup Global Markets Holdings Inc., a wholly owned subsidiary of Citigroup Inc.  
**Guarantee:** All payments due on the securities are fully and unconditionally guaranteed by Citigroup Inc.

**Underlying:**

**Underlying** **Initial underlying value\*Barrier value\*\*Equity ratio\*\*\***  
SPDR® S&P® Oil and Gas Exploration & Production  
ETF  
VanEck Vectors® Gold Miners ETF

\* For each underlying, its closing value on the pricing date

\*\* For each underlying, 70% of its initial underlying value

\*\*\* For each underlying, the stated principal amount divided by its initial underlying value

**Stated principal amount:** \$1,000 per security  
**Pricing date:** July 20, 2018  
**Issue date:** July 25, 2018  
**Valuation date:** January 21, 2020, subject to postponement if such date is not a scheduled trading day or certain market disruption events occur  
**Maturity date:** January 24, 2020  
For each \$1,000 stated principal amount security you hold at maturity, you will receive:

If the final underlying value of the worst performing underlying is **greater than or equal to** its barrier value:

\$1,000 + the digital return amount

If the final underlying value of the worst performing underlying is **less than** its barrier value: a fixed number of underlying shares of the worst performing underlying equal to its equity ratio (or, if we elect, the cash value of those shares based on its closing value on the final valuation date)

**Payment at maturity:**

**If the final underlying value of the worst performing underlying is less than its barrier value, you will receive underlying shares (or, in our sole discretion, cash) expected to be worth significantly less than the stated principal amount of your securities, and possibly nothing, at maturity. You should not invest in the securities unless you are willing and able to bear the risk of losing a significant portion, and possibly all, of your investment.**

**Final underlying value:** For each underlying, its closing value on the valuation date

**Digital return amount:**

At least \$150 per security (representing a digital return equal to at least 15% of the stated principal amount) (to be determined on the pricing date). You may receive the digital return amount only if the final underlying value of the worst performing underlying is greater than or equal to its barrier value.

<b>Worst performing underlying:</b>	The underlying with the lowest underlying return		
<b>Underlying return:</b>	For each underlying, (i) its final underlying value <i>minus</i> its initial underlying value, <i>divided by</i> (ii) its initial underlying value		
<b>Listing:</b>	The securities will not be listed on any securities exchange		
<b>CUSIP / ISIN:</b>	17324XLB4 / US17324XLB46		
<b>Underwriter:</b>	Citigroup Global Markets Inc. (“CGMI”), an affiliate of the issuer, acting as principal		
<b>Underwriting fee and issue price:</b>	<b>Issue price<sup>(1)(2)</sup></b>	<b>Underwriting fee<sup>(3)</sup></b>	<b>Proceeds to issuer</b>
<b>Per security:</b>	\$1,000.00	\$7.00	\$993.00
<b>Total:</b>	\$	\$	\$

(1) Citigroup Global Markets Holdings Inc. currently expects that the estimated value of the securities on the pricing date will be at least \$937 per security, which will be less than the issue price. The estimated value of the securities is based on CGMI’s proprietary pricing models and our internal funding rate. It is not an indication of actual profit to CGMI or other of our affiliates, nor is it an indication of the price, if any, at which CGMI or any other person may be willing to buy the securities from you at any time after issuance. See “Valuation of the Securities” in this pricing supplement.

(2) The issue price for investors purchasing the securities in fee-based advisory accounts will be \$993 per security, assuming no custodial fee is charged by a selected dealer, and up to \$998 per security, assuming the maximum custodial fee is charged by a selected dealer. See “Supplemental Plan of Distribution” in this pricing supplement.

(3) For more information on the distribution of the securities, see “Supplemental Plan of Distribution” in this pricing supplement. In addition to the underwriting fee, CGMI and its affiliates may profit from expected hedging activity related to this offering, even if the value of the securities declines. See “Use of Proceeds and Hedging” in the accompanying prospectus.

**Investing in the securities involves risks not associated with an investment in conventional debt securities. See “Summary Risk Factors” beginning on page PS-5.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the securities or determined that this pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus are truthful or complete. Any representation to the contrary is a criminal offense.**

*You should read this pricing supplement together with the accompanying product supplement, underlying supplement, prospectus supplement and prospectus, which can be accessed via the hyperlinks below:*

**[Product Supplement No. EA-02-07 dated June 15, 2018](#) [Underlying Supplement No. 7 dated July 16, 2018](#)  
[Prospectus Supplement and Prospectus each dated April 7, 2017](#)**

**The securities are not bank deposits and are not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, nor are they obligations of, or guaranteed by, a bank.**



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#### Additional Information

**General.** The terms of the securities are set forth in the accompanying product supplement, prospectus supplement and prospectus, as supplemented by this pricing supplement. The accompanying product supplement, prospectus supplement and prospectus contain important disclosures that are not repeated in this pricing supplement. For example, the accompanying product supplement contains important information about how the closing value of each underlying will be determined and about adjustments that may be made to the terms of the securities upon the occurrence of market disruption events and other specified events with respect to each underlying. The accompanying underlying supplement contains information about each underlying that is not repeated in this pricing supplement. It is important that you read the accompanying product supplement, underlying supplement, prospectus supplement and prospectus together with this pricing supplement in deciding whether to invest in the securities. Certain terms used but not defined in this pricing supplement are defined in the accompanying product supplement.

**Prospectus for each underlying.** In addition to this pricing supplement and the accompanying product supplement, prospectus supplement and prospectus, you should read the prospectus for each underlying on file at the SEC website, which can be accessed via the hyperlinks below. The contents of those prospectuses and any documents incorporated by reference therein are not incorporated by reference herein or in any way made a part hereof.

Prospectus for SPDR® S&P® Oil and Gas Exploration & Production ETF dated October 31, 2017:

<https://www.sec.gov/Archives/edgar/data/1064642/000119312517323271/d413018d485bpos.htm>

Prospectus for VanEck Vectors® Gold Miners ETF dated May 1, 2018:

[https://www.sec.gov/Archives/edgar/data/1137360/000093041318001499/c90794\\_485bpos.htm](https://www.sec.gov/Archives/edgar/data/1137360/000093041318001499/c90794_485bpos.htm)

#### Payout Diagram

The diagram below illustrates the value of what you receive at maturity for a range of hypothetical percentage changes from the initial underlying value of the worst performing underlying to its final underlying value. The diagram assumes that the digital return amount will be set at the lowest value indicated on the cover page of this pricing supplement. The actual digital return amount will be determined on the pricing date.

**Investors in the securities will not receive any dividends with respect to the underlyings. The diagram and examples below do not show any effect of lost dividend yield over the term of the securities.** See “Summary Risk Factors—You will not receive dividends or have any other rights with respect to the underlyings” below.

**Payout Diagram**

n The Securities n The Worst Performing Underlying

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## Hypothetical Examples

The examples below illustrate how to determine the payment at maturity on the securities, assuming the various hypothetical final underlying values indicated below. The examples are solely for illustrative purposes, do not show all possible outcomes and are not a prediction of what the actual payment at maturity on the securities will be. The actual payment at maturity will depend on the actual final underlying value of the worst performing underlying.

The examples below are based on the following hypothetical values and do not reflect the actual initial underlying values, barrier values or equity ratios of the underlyings. For the actual initial underlying value, barrier value and equity ratio of each underlying, see the cover page of this pricing supplement. We have used these hypothetical values, rather than the actual values, to simplify the calculations and aid understanding of how the securities work. However, you should understand that what you actually receive at maturity will be determined based on the actual initial underlying value, final barrier value and equity ratio of each underlying, and not the hypothetical values indicated below. The examples below assume that the digital return amount will be set at the lowest value indicated on the cover page of this pricing supplement. The actual digital return amount will be determined on the pricing date.

Underlying	Hypothetical initial underlying value	Hypothetical barrier value	Equity ratio
SPDR® S&P® Oil and Gas Exploration & Production ETF	100	70 (70% of its hypothetical initial underlying value)	10.00000
VanEck Vectors® Gold Miners ETF	100	70 (70% of its hypothetical initial underlying value)	10.00000

## Example 1—Upside Scenario A.

Underlying	Hypothetical final underlying value	Hypothetical underlying return
SPDR® S&P® Oil and Gas Exploration & Production ETF	110	10%
VanEck Vectors® Gold Miners ETF	105	5%

In this example, the VanEck Vectors® Gold Miners ETF has the lowest underlying return and is, therefore, the worst performing underlying. Because the final underlying value of the worst performing underlying is **greater than** its barrier value, you would receive at maturity the stated principal amount of \$1,000 per security *plus* the digital return amount, calculated as follows:

Payment at maturity per security = \$1,000 + the digital return amount

= \$1,000 + \$150

= \$1,150

**Example 2—Upside Scenario B.**

<b>Underlying</b>	<b>Hypothetical final underlying value</b>	<b>Hypothetical underlying return</b>
SPDR <sup>®</sup> S&P <sup>®</sup> Oil and Gas Exploration & Production ETF	180	80%
VanEck Vectors <sup>®</sup> Gold Miners ETF	210	110%

In this example, the SPDR<sup>®</sup> S&P<sup>®</sup> Oil and Gas Exploration & Production ETF has the lowest underlying return and is, therefore, the worst performing underlying. Because the final underlying value of the worst performing underlying is **greater than** its barrier value, you would receive at maturity the stated principal amount of \$1,000 per security *plus* the digital return amount, calculated as follows:

Payment at maturity per security = \$1,000 + the digital return amount

= \$1,000 + \$150

= \$1,150

In this scenario, an investment in the securities would underperform a hypothetical alternative investment providing 1-to-1 exposure to the appreciation of the worst performing underlying without a digital return amount at maturity.



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**Example 3—Upside Scenario C.**

<b>Underlying</b>	<b>Hypothetical final underlying value</b>	<b>Hypothetical underlying return</b>
SPDR® S&P® Oil and Gas Exploration & Production ETF	105	5%
VanEck Vectors® Gold Miners ETF	90	-10%

In this example, the VanEck Vectors® Gold Miners ETF has the lowest underlying return and is, therefore, the worst performing underlying. Because the final underlying value of the worst performing underlying is **greater than** its barrier value, you would receive at maturity the stated principal amount of \$1,000 per security *plus* the digital return amount, calculated as follows:

Payment at maturity per security = \$1,000 + the digital return amount

= \$1,000 + \$150

= \$1,150

**Example 4—Downside Scenario.**

<b>Underlying</b>	<b>Hypothetical final underlying value</b>	<b>Hypothetical underlying return</b>
SPDR® S&P® Oil and Gas Exploration & Production ETF	30	-70%
VanEck Vectors® Gold Miners ETF	120	20%

In this example, the SPDR® S&P® Oil and Gas Exploration & Production ETF has the lowest underlying return and is, therefore, the worst performing underlying. Because the final underlying value of the worst performing underlying is **less than** its barrier value, your payment at maturity would be calculated as follows:

What you would receive at maturity per security = A number of underlying shares of the worst performing underlying equal to its equity ratio (or, in our sole discretion, cash in an amount equal to its equity ratio × its final underlying value)

= 10.00000 underlying shares, with an aggregate cash value (based on the final underlying value of the worst performing underlying) of \$300

Because the final underlying value of the worst performing underlying was less than its barrier value, you would not receive per security the stated principal amount of the securities *plus* the digital return amount at maturity and instead would receive a number of underlying shares of the worst performing underlying (or, in our sole discretion, cash based on the value thereof) expected to be worth less than the stated principal amount, even though the final underlying value of each other underlying is greater than its initial underlying value.

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## Summary Risk Factors

An investment in the securities is significantly riskier than an investment in conventional debt securities. The securities are subject to all of the risks associated with an investment in our conventional debt securities (guaranteed by Citigroup Inc.), including the risk that we and Citigroup Inc. may default on our obligations under the securities, and are also subject to risks associated with each underlying. Accordingly, the securities are suitable only for investors who are capable of understanding the complexities and risks of the securities. You should consult your own financial, tax and legal advisors as to the risks of an investment in the securities and the suitability of the securities in light of your particular circumstances.

The following is a summary of certain key risk factors for investors in the securities. You should read this summary together with the more detailed description of risks relating to an investment in the securities contained in the section “Risk Factors Relating to the Securities” beginning on page EA-7 in the accompanying product supplement. You should also carefully read the risk factors included in the accompanying prospectus supplement and in the documents incorporated by reference in the accompanying prospectus, including Citigroup Inc.’s most recent Annual Report on Form 10-K and any subsequent Quarterly Reports on Form 10-Q, which describe risks relating to the business of Citigroup Inc. more generally.

**You may lose a significant portion of your investment.** Unlike conventional debt securities, the securities do not repay a fixed amount of principal at maturity. Instead, your payment at maturity will depend on the final underlying value of the worst performing underlying. If the final underlying value of the worst performing underlying is less than its barrier value, you will not receive per security the stated principal amount of the securities *plus* the digital return amount at maturity and, instead, will receive underlying shares of the worst performing underlying (or, in our sole discretion, cash based on the value thereof) expected to be worth less than your initial investment in the securities and may be worth nothing. There is no minimum payment at maturity on the securities, and you may lose up to all of your investment.

We may elect, in our sole discretion, to pay you cash at maturity in lieu of delivering any underlying shares of the worst performing underlying. If we elect to pay you cash at maturity in lieu of delivering any underlying shares of the worst performing underlying, the amount of that cash may be less than the market value of those underlying shares on the maturity date because the market value will likely fluctuate between the valuation date and the maturity date. Conversely, if we do not exercise our cash election right and instead deliver underlying shares of the worst performing underlying to you on the maturity date, the market value of those underlying shares may be less than the cash amount you would have received if we had exercised our cash election right. We will have no obligation to take your interests into account when deciding whether to exercise our cash election right.

**The barrier feature of the securities exposes you to particular risks.** While you will receive the digital return amount so long as the final underlying value of the worst performing underlying is greater than or equal to its barrier value, if its final underlying value is less than its barrier value, you will receive underlying shares of the worst

performing underlying (or, in our sole discretion, cash based on the value thereof) expected to be worth less than your initial investment in the securities and may be worth nothing. As a result, you may lose your entire investment in the securities.

**The securities do not pay interest.** Unlike conventional debt securities, the securities do not pay interest or any other amounts prior to maturity. You should not invest in the securities if you seek current income during the term of the securities.

**Your potential return on the securities is limited.** Your potential return on the securities at maturity is limited to the digital return. Your return on the securities will not exceed the digital return, even if the worst performing underlying appreciates by significantly more than the digital return. If the worst performing underlying appreciates by more than the digital return, the securities will underperform an alternative investment providing 1-to-1 exposure to the performance of the worst performing underlying. When lost dividends are taken into account, the securities may underperform an alternative investment providing 1-to-1 exposure to the performance of the worst performing underlying even if the worst performing underlying appreciates by less than the digital return.

**The securities are subject to heightened risk because they have multiple underlyings.** The securities are more risky than similar investments that may be available with only one underlying. With multiple underlyings, there is a greater chance that any one underlying will perform poorly, adversely affecting your return on the securities.

**The securities are subject to the risks of each of the underlyings and will be negatively affected if any one underlying performs poorly, regardless of the performance of any other underlying.** You are subject to risks associated with each of the underlyings. If any one underlying performs poorly, you will be negatively affected, regardless of the performance of any other underlying. The securities are not linked to a basket composed of the underlyings, where the blended performance of the underlyings would be better than the performance of the worst performing underlying alone. Instead, you are subject to the full risks of whichever of the underlyings is the worst performing underlying.

**You will not benefit in any way from the performance of any better performing underlying.** The return on the securities depends solely on the performance of the worst performing underlying, and you will not benefit in any way from the performance of any better performing underlying.

**You will be subject to risks relating to the relationship between the underlyings.** It is preferable from your perspective for the underlyings to be correlated with each other, in the sense that they tend to increase or decrease at similar times and by similar

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magnitudes. By investing in the securities, you assume the risk that the underlyings will not exhibit this relationship. The less correlated the underlyings, the more likely it is that any one of the underlyings will perform poorly over the term of the securities. All that is necessary for the securities to perform poorly is for one of the underlyings to perform poorly; the performance of any underlying that is not the worst performing underlying is not relevant to your return on the securities. It is impossible to predict what the relationship between the underlyings will be over the term of the securities. The underlyings differ in significant ways and, therefore, may not be correlated with each other.

**You will not receive dividends or have any other rights with respect to the underlyings.** You will not receive any dividends with respect to the underlyings. This lost dividend yield may be significant over the term of the securities. The payment scenarios described in this pricing supplement do not show any effect of such lost dividend yield over the term of the securities. In addition, you will not have voting rights or any other rights with respect to the underlyings or the stocks included in the underlyings.

**What you receive at maturity depends on the closing value of the worst performing underlying on a single day.** Because what you receive at maturity depends on the closing value of the worst performing underlying solely on the valuation date, you are subject to the risk that the closing value of the worst performing underlying on that day may be lower, and possibly significantly lower, than on one or more other dates during the term of the securities. If you had invested directly in the underlyings or in another instrument linked to the worst performing underlying that you could sell for full value at a time selected by you, or if the payment at maturity were based on an average of closing values of the worst performing underlying, you might have achieved better returns.

**The securities are subject to the credit risk of Citigroup Global Markets Holdings Inc. and Citigroup Inc.** If we default on our obligations under the securities and Citigroup Inc. defaults on its guarantee obligations, you may not receive anything owed to you under the securities.

**The securities will not be listed on any securities exchange and you may not be able to sell them prior to maturity.** The securities will not be listed on any securities exchange. Therefore, there may be little or no secondary market for the securities. CGMI currently intends to make a secondary market in relation to the securities and to provide an indicative bid price for the securities on a daily basis. Any indicative bid price for the securities provided by CGMI will be determined in CGMI's sole discretion, taking into account prevailing market conditions and other relevant factors, and will not be a representation by CGMI that the securities can be sold at that price, or at all. CGMI may suspend or terminate making a market and providing indicative bid prices without notice, at any time and for any reason. If CGMI suspends or terminates making a market, there may be no secondary market at all for the securities because it is likely that CGMI will be the only broker-dealer that is willing to buy your securities prior to maturity. Accordingly, an investor must be prepared to hold the securities until maturity.

**The estimated value of the securities on the pricing date, based on CGMI's proprietary pricing models and our internal funding rate, is less than the issue price.** The difference is attributable to certain costs associated with selling, structuring and hedging the securities that are included in the issue price. These costs include (i) any selling concessions or other fees paid in connection with the offering of the securities, (ii) hedging and other costs incurred by us and our affiliates in connection with the offering of the securities and (iii) the expected profit (which may be more or less than actual profit) to CGMI or other of our affiliates in connection with hedging our obligations under the

securities. These costs adversely affect the economic terms of the securities because, if they were lower, the economic terms of the securities would be more favorable to you. The economic terms of the securities are also likely to be adversely affected by the use of our internal funding rate, rather than our secondary market rate, to price the securities. See “The estimated value of the securities would be lower if it were calculated based on our secondary market rate” below.

**The estimated value of the securities was determined for us by our affiliate using proprietary pricing models.**

CGMI derived the estimated value disclosed on the cover page of this pricing supplement from its proprietary pricing models. In doing so, it may have made discretionary judgments about the inputs to its models, such as the volatility of, and correlation between, the closing values of the underlyings, dividend yields on the underlyings and interest rates. CGMI’s views on these inputs may differ from your or others’ views, and as an underwriter in this offering, CGMI’s interests may conflict with yours. Both the models and the inputs to the models may prove to be wrong and therefore not an accurate reflection of the value of the securities. Moreover, the estimated value of the securities set forth on the cover page of this pricing supplement may differ from the value that we or our affiliates may determine for the securities for other purposes, including for accounting purposes. You should not invest in the securities because of the estimated value of the securities. Instead, you should be willing to hold the securities to maturity irrespective of the initial estimated value.

**The estimated value of the securities would be lower if it were calculated based on our secondary market rate.**

The estimated value of the securities included in this pricing supplement is calculated based on our internal funding rate, which is the rate at which we are willing to borrow funds through the issuance of the securities. Our internal funding rate is generally lower than our secondary market rate, which is the rate that CGMI will use in determining the value of the securities for purposes of any purchases of the securities from you in the secondary market. If the estimated value included in this pricing supplement were based on our secondary market rate, rather than our internal funding rate, it would likely be lower. We determine our internal funding rate based on factors such as the costs associated with the securities, which are generally higher than the costs associated with conventional debt securities, and our liquidity needs and preferences. Our internal funding rate is not an interest rate that is payable on the securities.

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Because there is not an active market for traded instruments referencing our outstanding debt obligations, CGMI determines our secondary market rate based on the market price of traded instruments referencing the debt obligations of Citigroup Inc., our parent company and the guarantor of all payments due on the securities, but subject to adjustments that CGMI makes in its sole discretion. As a result, our secondary market rate is not a market-determined measure of our creditworthiness, but rather reflects the market's perception of our parent company's creditworthiness as adjusted for discretionary factors such as CGMI's preferences with respect to purchasing the securities prior to maturity.

**The estimated value of the securities is not an indication of the price, if any, at which CGMI or any other person may be willing to buy the securities from you in the secondary market.** Any such secondary market price will fluctuate over the term of the securities based on the market and other factors described in the next risk factor. Moreover, unlike the estimated value included in this pricing supplement, any value of the securities determined for purposes of a secondary market transaction will be based on our secondary market rate, which will likely result in a lower value for the securities than if our internal funding rate were used. In addition, any secondary market price for the securities will be reduced by a bid-ask spread, which may vary depending on the aggregate stated principal amount of the securities to be purchased in the secondary market transaction, and the expected cost of unwinding related hedging transactions. As a result, it is likely that any secondary market price for the securities will be less than the issue price.

**The value of the securities prior to maturity will fluctuate based on many unpredictable factors.** The value of your securities prior to maturity will fluctuate based on the closing values of the underlyings, the volatility of, and correlation between, the closing values of the underlyings, dividend yields on the underlyings, interest rates generally, the time remaining to maturity and our and Citigroup Inc.'s creditworthiness, as reflected in our secondary market rate, among other factors described under "Risk Factors Relating to the Securities—Risk Factors Relating to All Securities—The value of your securities prior to maturity will fluctuate based on many unpredictable factors" in the accompanying product supplement. Changes in the closing values of the underlyings may not result in a comparable change in the value of your securities. You should understand that the value of your securities at any time prior to maturity may be significantly less than the issue price.

**Immediately following issuance, any secondary market bid price provided by CGMI, and the value that will be indicated on any brokerage account statements prepared by CGMI or its affiliates, will reflect a temporary upward adjustment.** The amount of this temporary upward adjustment will steadily decline to zero over the temporary adjustment period. See "Valuation of the Securities" in this pricing supplement.

**The SPDR® S&P® Oil & Gas Exploration & Production ETF is subject to concentrated risks associated with the oil and gas exploration and production industry.** The stocks included in the index underlying the SPDR® S&P® Oil & Gas Exploration & Production ETF and that are generally tracked by the SPDR® S&P® Oil & Gas Exploration & Production ETF are stocks of companies whose primary business is associated with the exploration and production of oil and gas. The oil and gas industry is significantly affected by a number of factors that influence worldwide economic conditions and oil prices, such as natural disasters, supply disruptions, geopolitical events and other factors that may offset or magnify each other, including:

- o employment levels and job growth;
- o worldwide and domestic supplies of, and demand for, oil and gas;
- o the cost of exploring for, developing, producing, refining and marketing oil and gas;
- o consumer confidence;
- o changes in weather patterns and climatic changes;
- o the ability of the members of Organization of Petroleum Exporting Countries and other oil and gas producing nations to agree to and maintain production levels;
- o the price and availability of alternative and competing fuels;
- o domestic and foreign governmental regulations and taxes;
- o the worldwide military and political environment, uncertainty or instability resulting from an escalation or additional outbreak of armed hostilities or further acts of terrorism in the United States, or elsewhere; and
- o general economic conditions worldwide.

These or other factors or the absence of such factors could cause a downturn in the oil and natural gas industries generally or regionally and could cause the value of the underlying shares of the SPDR<sup>®</sup> S&P<sup>®</sup> Oil & Gas Exploration & Production ETF to decline during the term of the securities.

**Fluctuations in exchange rates will affect the closing value of the VanEck Vectors<sup>®</sup> Gold Miners ETF.** Because the VanEck Vectors<sup>®</sup> Gold Miners ETF includes securities that trade outside the United States and the closing value of the VanEck Vectors<sup>®</sup> Gold Miners ETF is based on the U.S. dollar value of those securities, holders of the securities will be exposed to currency exchange rate risk with respect to each of the currencies in which such securities trade. Exchange rate movements for a particular currency are volatile and are the result of numerous factors specific to the relevant country, including the supply of, and the demand for, those currencies, as well as government policy, intervention or actions, but are also influenced significantly from time to time by political or economic developments, and by macroeconomic factors and speculative actions related to each applicable



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region. An investor's net exposure will depend on the extent to which the currencies of the applicable countries strengthen or weaken against the U.S. dollar and the relative weight of each currency. If, taking into account such weighting, the dollar strengthens against the currencies of the securities held by the VanEck Vectors® Gold Miners ETF, the price of the underlying shares of the VanEck Vectors® Gold Miners ETF will be adversely affected for that reason alone and your return on the securities may be reduced. Of particular importance to potential currency exchange risk are: existing and expected rates of inflation; existing and expected interest rate levels; the balance of payments; and the extent of governmental surpluses or deficits in the applicable countries and the United States. All of these factors are in turn sensitive to the monetary, fiscal and trade policies pursued by the governments of the applicable countries and the United States. and other countries important to international trade and finance.

**The VanEck Vectors® Gold Miners ETF is subject to risks associated with the gold and silver mining industries.** The equity securities included in the NYSE Arca Gold Miners Index and that are generally tracked by the VanEck Vectors® Gold Miners ETF are common stocks and American depositary receipts ("ADRs") of companies § primarily engaged in mining for gold and silver. The shares of the VanEck Vectors® Gold Miners ETF may be subject to increased price volatility as they are linked to a single industry, market or sector and may be more susceptible to adverse economic, market, political or regulatory occurrences affecting that industry, market or sector.

Because the VanEck Vectors® Gold Miners ETF invests primarily in common stocks and ADRs of companies that are involved in the gold mining industries, the underlying shares of the VanEck Vectors® Gold Miners ETF are subject to certain risks associated with such companies. Competitive pressures may have a significant effect on the financial condition of such companies in the gold mining industry. Also, gold mining companies are highly dependent on the price of gold. The price of gold is primarily affected by the global demand for and supply of gold. The market for gold bullion is global, and gold prices are subject to volatile price movements over short periods of time and are affected by numerous factors, including macroeconomic factors, such as the structure of and confidence in the global monetary system, expectations regarding the future rate of inflation, the relative strength of, and confidence in, the U.S. dollar (the currency in which the price of gold is usually quoted), interest rates, gold borrowing and lending rates and global or regional economic, financial, political, regulatory, judicial or other events. Gold prices may be affected by industry factors, such as industrial and jewelry demand as well as lending, sales and purchases of gold by the official sector, including central banks and other governmental agencies and multilateral institutions that hold gold. Additionally, gold prices may be affected by levels of gold production, production costs and short-term changes in supply and demand due to trading activities in the gold market. From time to time, above-ground inventories of gold may also influence the market. It is not possible to predict the aggregate effect of all or any combination of these factors. The price of gold has recently been, and may continue to be, extremely volatile.

The VanEck Vectors® Gold Miners ETF invests to a lesser extent in common stocks and ADRs of companies involved in the silver mining industry. Silver mining companies are highly dependent on the price of silver. The price of silver is primarily affected by global demand for and supply of silver. Silver prices can fluctuate widely and may be affected by numerous factors. These include general economic trends, technical developments, substitution issues and regulation, as well as specific factors including industrial and jewelry demand, expectations with respect to the rate of inflation, the relative strength of the U.S. dollar (the currency in which the price of silver is generally quoted) and other currencies, interest rates, central bank sales, forward sales by producers, global or regional political or economic events and production costs and disruptions in major silver-producing countries, such as Mexico, China and Peru. The demand for and supply of silver affect silver prices, but not necessarily in the same manner as supply and demand

affect the prices of other commodities. The supply of silver consists of a combination of new mine production and existing stocks of bullion and fabricated silver held by governments, public and private financial institutions, industrial organizations and private individuals. In addition, the price of silver has on occasion been subject to very rapid short-term changes due to speculative activities. From time to time, above-ground inventories of silver may also influence the market. The major end uses for silver include industrial applications, jewelry and silverware.

**Our offering of the securities is not a recommendation of any underlying.** The fact that we are offering the securities does not mean that we believe that investing in an instrument linked to the underlyings is likely to achieve favorable returns. In fact, as we are part of a global financial institution, our affiliates may have positions (including short positions) in the underlyings or in instruments related to the underlyings, and may publish research or express opinions, that in each case are inconsistent with an investment linked to the underlyings. These and other activities of our affiliates may affect the closing values of the underlyings in a way that negatively affects the value of and your return on the securities.

**The closing value of an underlying may be adversely affected by our or our affiliates' hedging and other trading activities.** We expect to hedge our obligations under the securities through CGMI or other of our affiliates, who may take positions in the underlyings or in financial instruments related to the underlyings and may adjust such positions during the term of the securities. Our affiliates also take positions in the underlyings or in financial instruments related to the underlyings on a regular basis (taking long or short positions or both), for their accounts, for other accounts under their management or to facilitate transactions on behalf of customers. These activities could affect the closing value of the underlyings in a way that negatively affects the value of and your return on the securities. They could also result in substantial returns for us or our affiliates while the value of the securities declines.

**We and our affiliates may have economic interests that are adverse to yours as a result of our affiliates' business activities.** Our affiliates engage in business activities with a wide range of companies. These activities include extending loans, making and facilitating investments, underwriting securities offerings and providing advisory services. These activities could involve or affect the underlyings in a way that negatively affects the value of and your return on the securities. They could also result in substantial returns for us or our affiliates while the value of the securities declines. In addition, in the course of this business, we or our affiliates may acquire non-public information, which will not be disclosed to you.

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**The calculation agent, which is an affiliate of ours, will make important determinations with respect to the securities.** If certain events occur during the term of the securities, such as market disruption events and other events with respect to an underlying, CGMI, as calculation agent, will be required to make discretionary judgments that could significantly affect your return on the securities. In making these judgments, the calculation agent's interests as an affiliate of ours could be adverse to your interests as a holder of the securities. See "Risks Relating to the Securities—Risks Relating to All Securities—The calculation agent, which is an affiliate of ours, will make important determinations with respect to the securities" in the accompanying product supplement.

**Even if an underlying pays a dividend that it identifies as special or extraordinary, no adjustment will be required under the securities for that dividend unless it meets the criteria specified in the accompanying product supplement.** In general, an adjustment will not be made under the terms of the securities for any cash dividend paid by an underlying unless the amount of the dividend per share, together with any other dividends paid in the same quarter, exceeds the dividend paid per share in the most recent quarter by an amount equal to at least 10% of the closing value of that underlying on the date of declaration of the dividend. Any dividend will reduce the closing value of that underlying by the amount of the dividend per share. If an underlying pays any dividend for which an adjustment is not made under the terms of the securities, holders of the securities will be adversely affected. See "Description of the Securities—Certain Additional Terms for Securities Linked to an Underlying Company or an Underlying ETF—Dilution and Reorganization Adjustments—Certain Extraordinary Cash Dividends" in the accompanying product supplement.

**The securities will not be adjusted for all events that may have a dilutive effect on or otherwise adversely affect the closing value of an underlying.** For example, we will not make any adjustment for ordinary dividends or extraordinary dividends that do not meet the criteria described above, partial tender offers or additional underlying share issuances. Moreover, the adjustments we do make may not fully offset the dilutive or adverse effect of the particular event. Investors in the securities may be adversely affected by such an event in a circumstance in which a direct holder of the underlying shares of an underlying would not.

**The securities may become linked to an underlying other than an original underlying upon the occurrence of a reorganization event or upon the delisting of the underlying shares of an underlying.** For example, if an underlying enters into a merger agreement that provides for holders of its underlying shares to receive shares of another entity and such shares are marketable securities, the closing value of that underlying following consummation of the merger will be based on the value of such other shares. Additionally, if the underlying shares of an underlying are delisted, the calculation agent may select a successor underlying for that underlying. See "Description of the Securities—Certain Additional Terms for Securities Linked to an Underlying Company or an Underlying ETF" in the accompanying product supplement.

**The value and performance of the underlying shares of an underlying may not completely track the performance of the underlying index that it seeks to track or the net asset value per share of that underlying.** An underlying does not fully replicate the underlying index that it seeks to track and may hold securities different from those included in its underlying index. In addition, the performance of an underlying will reflect additional transaction costs and fees that are not included in the calculation of its underlying index. All of these factors may lead to a lack of correlation between the performance of an underlying and its underlying index. In addition, corporate actions with respect to the equity securities held by an underlying (such as mergers and spin-offs) may impact the variance between the performance of that underlying and its underlying index. Finally, because the underlying shares

of each underlying are traded on an exchange and are subject to market supply and investor demand, the closing value of an underlying may differ from the net asset value per share of that underlying.

During periods of market volatility, securities included in an underlying's underlying index may be unavailable in the secondary market, market participants may be unable to calculate accurately the net asset value per share of that underlying and the liquidity of that underlying may be adversely affected. This kind of market volatility may also disrupt the ability of market participants to create and redeem shares of an underlying. Further, market volatility may adversely affect, sometimes materially, the price at which market participants are willing to buy and sell the underlying shares of an underlying. As a result, under these circumstances, the closing value of an underlying may vary substantially from the net asset value per share of that underlying. For all of the foregoing reasons, the performance of an underlying may not correlate with the performance of its underlying index and/or its net asset value per share, which could materially and adversely affect the value of the securities and/or reduce your return on the securities.

**Changes that affect the underlyings may affect the value of your securities.** The sponsors of the underlyings may at any time make methodological changes or other changes in the manner in which they operate that could affect the values of the underlyings. We are not affiliated with any such underlying sponsor and, accordingly, we have no control over any changes any such sponsor may make. Such changes could adversely affect the performance of the underlyings and the value of and your return on the securities.

**The U.S. federal tax consequences of an investment in the securities are unclear.** There is no direct legal authority regarding the proper U.S. federal tax treatment of the securities, and we do not plan to request a ruling from the Internal Revenue Service (the "IRS"). Consequently, significant aspects of the tax treatment of the securities are uncertain, and the IRS or a court might not agree with the treatment of the securities as prepaid forward contracts. If the IRS were successful in asserting an alternative treatment of the securities, the tax consequences of the ownership and disposition of the securities might be materially and adversely affected. Even if the treatment of the securities as prepaid forward contracts is respected, a security may be treated as a "constructive ownership transaction," with potentially adverse consequences described below under "United States Federal Tax

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Considerations.” In addition, in 2007 the U.S. Treasury Department and the IRS released a notice requesting comments on various issues regarding the U.S. federal income tax treatment of “prepaid forward contracts” and similar instruments. Any Treasury regulations or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the securities, including the character and timing of income or loss and the degree, if any, to which income realized by non-U.S. persons should be subject to withholding tax, possibly with retroactive effect.

Section 871(m) of the Internal Revenue Code of 1986, as amended (the “Code”), imposes a withholding tax of up to 30% on “dividend equivalents” paid or deemed paid to non-U.S. investors in respect of certain financial instruments linked to U.S. equities. In light of Treasury regulations, as modified by an IRS notice, that provide a general exemption for financial instruments issued in 2018 that do not have a “delta” of one, as of the date of this preliminary pricing supplement the securities should not be subject to withholding under Section 871(m). However, information about the application of Section 871(m) to the securities will be updated in the final pricing supplement. Moreover, the IRS could challenge a conclusion that the securities should not be subject to withholding under Section 871(m). If withholding applies to the securities, we will not be required to pay any additional amounts with respect to amounts withheld.

You should read carefully the discussion under “United States Federal Tax Considerations” and “Risk Factors Relating to the Securities” in the accompanying product supplement and “United States Federal Tax Considerations” in this pricing supplement. You should also consult your tax adviser regarding the U.S. federal tax consequences of an investment in the securities, as well as tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.

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### Information About the SPDR® S&P® Oil and Gas Exploration & Production ETF

The SPDR® S&P® Oil & Gas Exploration & Production ETF is an exchange-traded fund that seeks to provide investment results that, before fees and expenses, correspond generally to the performance of publicly traded equity securities of companies included in the S&P® Oil & Gas Exploration & Production Select Industry Index®. The S&P® Oil & Gas Exploration & Production Select Industry Index® is a modified equal-weighted index that is designed to measure the performance of the following GICS® sub-industries within the S&P Total Market Index: integrated oil & gas, oil & gas exploration & mining and oil & gas refining & marketing.

The SPDR® S&P® Oil & Gas Exploration & Production ETF is managed by SsgA Fund Management Inc. (“SSgA FM”), an investment advisor to the SPDR® S&P® Oil & Gas Exploration & Production ETF, and the SPDR® Series Trust, a registered investment company. The SPDR® Series Trust consists of numerous separate investment portfolios, including the SPDR® S&P® Oil & Gas Exploration & Production ETF. Information provided to or filed with the SEC by The SPDR® Series Trust pursuant to the Securities Act of 1933, as amended, and the Investment Company Act of 1940, as amended, can be located by reference to SEC file numbers 333-57793 and 811-08839, respectively, through the SEC’s website at <http://www.sec.gov>. In addition, information may be obtained from other sources including, but not limited to, press releases, newspaper articles and other publicly disseminated documents. The underlying shares of the SPDR® S&P® Oil & Gas Exploration & Production ETF trade on the NYSE Arca under the ticker symbol “XOP.”

Please refer to the section “Fund Descriptions—The SPDR® S&P® Industry ETFs” in the accompanying underlying supplement for additional information.

You may receive underlying shares of the SPDR® S&P® Oil & Gas Exploration & Production ETF at maturity. Therefore, in making your decision to invest in the securities, you should review the prospectus related to the SPDR® S&P® Oil & Gas Exploration & Production ETF dated October 31, 2017 filed by the SPDR® Series Trust and available at <https://www.sec.gov/Archives/edgar/data/1064642/000119312517323271/d413018d485bpos.htm>.

The contents of that prospectus and any documents incorporated by reference therein are not incorporated by reference herein or in any way made a part hereof.

We have derived all information regarding the SPDR® S&P® Oil & Gas Exploration & Production ETF from publicly available information and have not independently verified any information regarding the SPDR® S&P® Oil & Gas Exploration & Production ETF. This pricing supplement relates only to the securities and not to the SPDR® S&P® Oil & Gas Exploration & Production ETF. We make no representation as to the performance of the SPDR® S&P® Oil & Gas Exploration & Production ETF over the term of the securities.

The securities represent obligations of Citigroup Global Markets Holdings Inc. (guaranteed by Citigroup Inc.) only. The sponsor of the SPDR® S&P® Oil & Gas Exploration & Production ETF is not involved in any way in this offering and has no obligation relating to the securities or to holders of the securities.

#### Historical Information

The closing value of the SPDR® S&P® Oil & Gas Exploration & Production ETF on July 17, 2018 was \$42.34.

The graph below shows the closing value of the SPDR® S&P® Oil & Gas Exploration & Production ETF for each day such value was available from January 2, 2013 to July 17, 2018. We obtained the closing values from Bloomberg L.P., without independent verification. You should not take historical closing values as an indication of future performance.

#### **SPDR® S&P® Oil and Gas Exploration & Production ETF – Historical Closing Values January 2, 2013 to July 17, 2018**

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### Information About the VanEck Vectors® Gold Miners ETF

The VanEck Vectors® Gold Miners ETF is an exchange-traded fund that seeks to provide investment results that correspond generally to the price and yield performance, before fees and expenses, of publicly traded securities involved primarily in the mining of gold or silver, as measured by the NYSE Arca Gold Miners Index. The NYSE Arca Gold Miners Index is a modified market capitalization weighted index composed of publicly traded companies involved primarily in the mining of gold or silver.

The VanEck Vectors® Gold Miners ETF is an investment portfolio of Market Vectors® ETF Trust. Van Eck Associates Corporation is currently the investment adviser to the VanEck Vectors® Gold Miners ETF. Information provided to or filed with the SEC by Market Vectors® ETF Trust pursuant to the Securities Act of 1933, as amended, and the Investment Company Act of 1940, as amended, can be located by reference to SEC file numbers 333-123257 and 811-10325, respectively, through the SEC's website at <http://www.sec.gov>. In addition, information may be obtained from other sources including, but not limited to, press releases, newspaper articles and other publicly disseminated documents. The underlying shares of the VanEck Vectors® Gold Miners ETF trade on the NYSE Arca under the ticker symbol "GDX."

Please refer to the section "Fund Descriptions—The Market Vectors Gold Miners ETF" in the accompanying underlying supplement for additional information.

You may receive underlying shares of the VanEck Vectors® Gold Miners ETF at maturity. Therefore, in making your decision to invest in the securities, you should review the prospectus related to the VanEck Vectors® Gold Miners ETF dated May 1, 2018 filed by the Market Vectors ETF Trust and available at [https://www.sec.gov/Archives/edgar/data/1137360/000093041318001499/c90794\\_485bpos.htm](https://www.sec.gov/Archives/edgar/data/1137360/000093041318001499/c90794_485bpos.htm).

The contents of that prospectus and any documents incorporated by reference therein are not incorporated by reference herein or in any way made a part hereof.

We have derived all information regarding the VanEck Vectors® Gold Miners ETF from publicly available information and have not independently verified any information regarding the VanEck Vectors® Gold Miners ETF. This pricing supplement relates only to the securities and not to the VanEck Vectors® Gold Miners ETF. We make no representation as to the performance of the VanEck Vectors® Gold Miners ETF over the term of the securities.



The securities represent obligations of Citigroup Global Markets Holdings Inc. (guaranteed by Citigroup Inc.) only. The sponsor of the VanEck Vectors® Gold Miners ETF is not involved in any way in this offering and has no obligation relating to the securities or to holders of the securities.

#### Historical Information

The closing value of the VanEck Vectors® Gold Miners ETF on July 17, 2018 was \$21.88.

The graph below shows the closing value of the VanEck Vectors® Gold Miners ETF for each day such value was available from January 2, 2013 to July 17, 2018. We obtained the closing values from Bloomberg L.P., without independent verification. You should not take historical closing values as an indication of future performance.

**VanEck Vectors® Gold Miners ETF – Historical Closing Values  
January 2, 2013 to July 17, 2018**

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## United States Federal Tax Considerations

You should read carefully the discussion under “United States Federal Tax Considerations” and “Risk Factors Relating to the Securities” in the accompanying product supplement and “Summary Risk Factors” in this pricing supplement. This discussion does not address the U.S. federal tax consequences of the ownership or disposition of the underlying shares that you may receive at maturity. You should consult your tax adviser regarding the U.S. federal tax consequences of the ownership and disposition of the underlying shares.

In the opinion of our counsel, Davis Polk & Wardwell LLP, which is based on current market conditions, a security should be treated as a prepaid forward contract for U.S. federal income tax purposes. By purchasing a security, you agree (in the absence of an administrative determination or judicial ruling to the contrary) to this treatment. There is uncertainty regarding this treatment, and the IRS or a court might not agree with it.

Assuming this treatment of the securities is respected and subject to the discussion in “United States Federal Tax Considerations” in the accompanying product supplement, the following U.S. federal income tax consequences should result under current law:

You should not recognize taxable income over the term of the securities prior to maturity, other than pursuant to a sale or exchange.

Upon a sale or exchange of a security (including retirement at maturity), you should recognize gain or loss equal to the difference between the amount realized and your tax basis in the security. Subject to the discussion below concerning the potential application of the “constructive ownership” rules under Section 1260 of the Code, any gain or loss recognized upon a sale, exchange or retirement of a security should be long-term capital gain or loss if you held the security for more than one year.

If you receive the underlying shares (and cash in lieu of any fractional shares) at maturity, you should not recognize gain or loss with respect to the underlying shares received. Instead, you should have an aggregate tax basis in the underlying shares received (including any fractional shares deemed received) equal to your basis in the securities. Your holding period for any underlying shares received should start on the day after receipt. With respect to any cash received in lieu of a fractional share, you should recognize capital loss in an amount equal to the difference between the amount of cash received in lieu of the fractional share and the portion of your tax basis in the securities that is allocable to the fractional share.

Even if the treatment of the securities as prepaid forward contracts is respected, your purchase of a security may be treated as entry into a “constructive ownership transaction,” within the meaning of Section 1260 of the Code, with respect to the underlying shares. In that case, all or a portion of any long-term capital gain you would otherwise

recognize in respect of your securities would be recharacterized as ordinary income to the extent such gain exceeded the “net underlying long-term capital gain.” Any long-term capital gain recharacterized as ordinary income under Section 1260 would be treated as accruing at a constant rate over the period you held your securities, and you would be subject to an interest charge in respect of the deemed tax liability on the income treated as accruing in prior tax years. Due to the lack of governing authority under Section 1260, our counsel is not able to opine as to whether or how Section 1260 applies to the securities. You should read the section entitled “United States Federal Tax Considerations—Tax Consequences to U.S. Holders—Potential Application of Section 1260 of the Code” in the accompanying product supplement for additional information and consult your tax adviser regarding the potential application of the “constructive ownership” rule.

Subject to the discussions below under “Possible Withholding Under Section 871(m) of the Code” and in “United States Federal Tax Considerations” in the accompanying product supplement, if you are a Non-U.S. Holder (as defined in the accompanying product supplement) of the securities, you generally should not be subject to U.S. federal withholding or income tax in respect of any amount paid to you with respect to the securities, provided that (i) income in respect of the securities is not effectively connected with your conduct of a trade or business in the United States, and (ii) you comply with the applicable certification requirements.

In 2007, the U.S. Treasury Department and the IRS released a notice requesting comments on the U.S. federal income tax treatment of “prepaid forward contracts” and similar instruments. The notice focuses in particular on whether to require holders of these instruments to accrue income over the term of their investment. It also asks for comments on a number of related topics, including the character of income or loss with respect to these instruments; whether short-term instruments should be subject to any such accrual regime; the relevance of factors such as the exchange-traded status of the instruments and the nature of the underlying property to which the instruments are linked; the degree, if any, to which income (including any mandated accruals) realized by non-U.S. investors should be subject to withholding tax; and whether these instruments are or should be subject to the “constructive ownership” regime described above. While the notice requests comments on appropriate transition rules and effective dates, any Treasury regulations or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the securities, including the character and timing of income or loss and the degree, if any, to which income realized by non-U.S. persons should be subject to withholding tax, possibly with retroactive effect.

**Possible Withholding Under Section 871(m) of the Code.** As discussed under “United States Federal Tax Considerations—Tax Consequences to Non-U.S. Holders” in the accompanying product supplement, Section 871(m) of the Code and Treasury regulations promulgated thereunder (“Section 871(m)”) generally impose a 30% withholding tax on dividend equivalents paid or deemed paid to Non-U.S. Holders with respect to certain financial instruments linked to U.S. equities (“U.S. Underlying Equities”) or indices that include U.S. Underlying Equities. Section 871(m) generally applies to instruments that substantially replicate the economic performance of one or more U.S. Underlying Equities, as determined based on tests set forth in the applicable Treasury regulations (a “Specified Security”). However, the regulations, as modified by an IRS notice, exempt financial instruments issued in 2018 that do not have a “delta” of one.

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Based on the terms of the securities and representations provided by us, our counsel is of the opinion that the securities should not be treated as transactions that have a “delta” of one within the meaning of the regulations with respect to any U.S. Underlying Equity and, therefore, should not be Specified Securities subject to withholding tax under Section 871(m).

A determination that the securities are not subject to Section 871(m) is not binding on the IRS, and the IRS may disagree with this treatment. Moreover, Section 871(m) is complex and its application may depend on your particular circumstances. For example, if you enter into other transactions relating to a U.S. Underlying Equity, you could be subject to withholding tax or income tax liability under Section 871(m) even if the securities are not Specified Securities subject to Section 871(m) as a general matter. You should consult your tax adviser regarding the potential application of Section 871(m) to the securities.

This information is indicative and will be updated in the final pricing supplement or may otherwise be updated by us in writing from time to time. Non-U.S. Holders should be warned that Section 871(m) may apply to the securities based on circumstances as of the pricing date for the securities and, therefore, it is possible that the securities will be subject to withholding tax under Section 871(m).

If withholding tax applies to the securities, we will not be required to pay any additional amounts with respect to amounts withheld.

**You should read the section entitled “United States Federal Tax Considerations” in the accompanying product supplement. The preceding discussion, when read in combination with that section, constitutes the full opinion of Davis Polk & Wardwell LLP regarding the material U.S. federal tax consequences of owning and disposing of the securities.**

**You should also consult your tax adviser regarding all aspects of the U.S. federal income and estate tax consequences of an investment in the securities and any tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.**

Supplemental Plan of Distribution

CGMI, an affiliate of Citigroup Global Markets Holdings Inc. and the underwriter of the sale of the securities, is acting as principal and will receive an underwriting fee of \$7 for each security sold in this offering (or up to \$5 per security in the case of sales to fee-based advisory accounts). Selected dealers will receive a fixed selling concession of

\$7 for each security they sell to accounts other than fee-based advisory accounts. CGMI will pay selected dealers, which may include dealers acting as custodians, a variable selling concession of up to \$5 for each security they sell to fee-based advisory accounts. Broker-dealers affiliated with CGMI, including Citi International Financial Services, Citigroup Global Markets Singapore Pte. Ltd. and Citigroup Global Markets Asia Limited, will receive a fixed selling concession, and financial advisors employed by such affiliated broker-dealers will receive a fixed selling concession, of \$7 for each security they sell.

See “Plan of Distribution; Conflicts of Interest” in the accompanying product supplement and “Plan of Distribution” in each of the accompanying prospectus supplement and prospectus for additional information.

### Valuation of the Securities

CGMI calculated the estimated value of the securities set forth on the cover page of this pricing supplement based on proprietary pricing models. CGMI’s proprietary pricing models generated an estimated value for the securities by estimating the value of a hypothetical package of financial instruments that would replicate the payout on the securities, which consists of a fixed-income bond (the “bond component”) and one or more derivative instruments underlying the economic terms of the securities (the “derivative component”). CGMI calculated the estimated value of the bond component using a discount rate based on our internal funding rate. CGMI calculated the estimated value of the derivative component based on a proprietary derivative-pricing model, which generated a theoretical price for the instruments that constitute the derivative component based on various inputs, including the factors described under “Summary Risk Factors—The value of the securities prior to maturity will fluctuate based on many unpredictable factors” in this pricing supplement, but not including our or Citigroup Inc.’s creditworthiness. These inputs may be market-observable or may be based on assumptions made by CGMI in its discretionary judgment.

The estimated value of the securities is a function of the terms of the securities and the inputs to CGMI’s proprietary pricing models. As of the date of this preliminary pricing supplement, it is uncertain what the estimated value of the securities will be on the pricing date because certain terms of the securities have not yet been fixed and because it is uncertain what the values of the inputs to CGMI’s proprietary pricing models will be on the pricing date.

For a period of approximately three months following issuance of the securities, the price, if any, at which CGMI would be willing to buy the securities from investors, and the value that will be indicated for the securities on any brokerage account statements prepared by CGMI or its affiliates (which value CGMI may also publish through one or more financial information vendors), will reflect a temporary upward adjustment from the price or value that would otherwise be determined. This temporary upward adjustment represents a portion of the hedging profit expected to be realized by CGMI or its affiliates over the term of the securities. The amount of this temporary upward adjustment will decline to zero on a straight-line basis over the three-month temporary adjustment period. However, CGMI is not obligated to buy the securities from investors at any time. See “Summary Risk Factors—The securities will not be listed on any securities exchange and you may not be able to sell them prior to maturity.”

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### Certain Selling Restrictions

#### Hong Kong Special Administrative Region

The contents of this pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus have not been reviewed by any regulatory authority in the Hong Kong Special Administrative Region of the People's Republic of China ("Hong Kong"). Investors are advised to exercise caution in relation to the offer. If investors are in any doubt about any of the contents of this pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus, they should obtain independent professional advice.

The securities have not been offered or sold and will not be offered or sold in Hong Kong by means of any document, other than

- (i) to persons whose ordinary business is to buy or sell shares or debentures (whether as principal or agent); or
- (ii) to "professional investors" as defined in the Securities and Futures Ordinance (Cap. 571) of Hong Kong (the "Securities and Futures Ordinance") and any rules made under that Ordinance; or

(iii) in other circumstances which do not result in the document being a "prospectus" as defined in the Companies Ordinance (Cap. 32) of Hong Kong or which do not constitute an offer to the public within the meaning of that Ordinance; and

There is no advertisement, invitation or document relating to the securities which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to securities which are or are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" as defined in the Securities and Futures Ordinance and any rules made under that Ordinance.

Non-insured Product: These securities are not insured by any governmental agency. These securities are not bank deposits and are not covered by the Hong Kong Deposit Protection Scheme.

#### Singapore

This pricing supplement and the accompanying product supplement, underlying supplement, prospectus supplement and prospectus have not been registered as a prospectus with the Monetary Authority of Singapore, and the securities will be offered pursuant to exemptions under the Securities and Futures Act, Chapter 289 of Singapore (the "Securities and Futures Act"). Accordingly, the securities may not be offered or sold or made the subject of an invitation for subscription or purchase nor may this pricing supplement or any other document or material in connection with the offer or sale or invitation for subscription or purchase of any securities be circulated or distributed, whether directly or indirectly, to any person in Singapore other than (a) to an institutional investor pursuant to Section 274 of the Securities and Futures Act, (b) to a relevant person under Section 275(1) of the Securities and Futures Act or to any person pursuant to Section 275(1A) of the Securities and Futures Act and in accordance with the conditions specified in Section 275 of the Securities and Futures Act, or (c) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the Securities and Futures Act. Where the securities are subscribed or purchased under Section 275 of the Securities and Futures Act by a relevant person which is:

a corporation (which is not an accredited investor (as defined in Section 4A of the Securities and Futures Act)) the (a) sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or

a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary is an individual who is an accredited investor, securities (as defined in Section 239(1) of the Securities and Futures Act) of that corporation or the beneficiaries' rights and interests (howsoever described) in that trust shall not be transferable for 6 months after that corporation or that trust has acquired the relevant securities pursuant to an offer under Section 275 of the Securities and Futures Act except:

to an institutional investor or to a relevant person defined in Section 275(2) of the Securities and Futures Act or to (i) any person arising from an offer referred to in Section 275(1A) or Section 276(4)(i)(B) of the Securities and Futures Act; or

(ii) where no consideration is or will be given for the transfer; or

(iii) where the transfer is by operation of law; or

(iv) pursuant to Section 276(7) of the Securities and Futures Act; or

(v) as specified in Regulation 32 of the Securities and Futures (Offers of Investments) (Shares and Debentures) Regulations 2005 of Singapore.



Citigroup Global Markets Holdings Inc.

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Non-insured Product: These securities are not insured by any governmental agency. These securities are not bank deposits. These securities are not insured products subject to the provisions of the Deposit Insurance and Policy Owners' Protection Schemes Act 2011 of Singapore and are not eligible for deposit insurance coverage under the Deposit Insurance Scheme.

#### Contact

Clients may contact their local brokerage representative. Third-party distributors may contact Citi Structured Investment Sales at (212) 723-7005.

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