

- ${\bf 02} \mid {\bf A}$  quarter marked by the return of South Africa to the Eurobond market
- **03** | Results' summary for Q2-22
- 04 | Results' detail for Q2-22
- 06 | AGR AFRICA Bond Index presentation



S&P Dow Jones Indices





By Attijari Global Research

#### A QUARTER MARKED BY THE RETURN OF SOUTH AFRICA TO THE EUROBOND MARKET (1/2)

South Africa is the 3<sup>rd</sup> African nation after Nigeria and Angola to issue a Eurobond since the start of Russia's war with Ukraine. This is an operation amounting to \$ 3.0 Bn, structured into two tranches with 10 years and 30 years maturities. The first tranche concerns \$ 1.4 Bn and offers an interest rate of 5.875% while the second tranche has a coupon of 7.3% for an amount of \$ 1.6 Bn.

This latest international loan was very successful, as indicated by the amount raised, i.e. with a Demand of \$ 7.1Bn, equivalent to an oversubscription rate of 2.4x. It should be noted that the conditions for this issue are significantly less advantageous for the issuer than those of September 2019 operation. Recall that, this was carried out on the basis of a rate of 4.85% and 5. 75% for similar maturities (10 and 30 years). This situation find its origin in the rise in Central Bank key rates in order to counter increasing inflation pressures as well as the increase of risk aversion in the financial markets.

#### COMPARATIVE OF LATEST EUROBONDS (IN \$ MN)



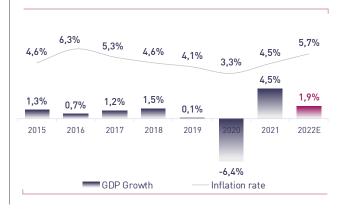
#### TECHNICAL RESULTS OF THE EUROBOND ISSUE APR-22

Issue Date	April	April 2022	
Issue amount (\$ Mn)	1 400	1 600	
Maturity (years)	10	30	
Coupon (%)	5.875	7.3	
Issue spread (Pbs)	309	447	
S&P Rating	В	BB-	
Subscription rate	2.	2.4x	

In a context of crisis, South Africa's economic activity contracted in 2020 to -6.4% before rebounding to 4.5% in 2021. In 2022, GDP is expected to grow at a moderate pace below 2%. While the country's exports are expected to benefit from the upward cycle in commodity prices, their volumes are expected to be moderate due to the downward revision of South Africa's major trading partners growth outlook.

In terms of domestic Demand, the war in Ukraine is strengthening inflationary pressures, which should erode household purchasing power. It is true that South Africa has little exposure to Ukraine and Russia with only 0.8% of total imports in 2020. However, its status as a net importer of hydrocarbons and cereals makes the country vulnerable to the rising costs related to supply chains disruptions.

#### SOUTH AFRICA: GDP GROWTH VS. INFLATION



#### TRADING PARTNERS GDP FORECASTS IN 2022



#### A QUARTER MARKED BY THE RETURN OF SOUTH AFRICA TO THE EUROBOND MARKET (2/2)

On the budgetary level, the situation is more tense with a fiscal deficit expected at 5.8% of GDP in the FY 2022 against an average level of 4.1% during the 2015-2019 period. Similarly, the public debt/GDP ratio should increase by more than 20 pts over the same period to exceed 70%. At the origin of this evolution, a considerable natural resources revenue drop, combined with increased spending related to the inflationary context.

Despite this economic slowdown, South Africa remains nevertheless the leading economic power in Southern Africa, representing almost 2/3 of the sub-region's GDP and the 3<sup>rd</sup> on the African continent after Nigeria and Egypt. It is an emerging non-oil country particularly rich in mineral resources such as Gold & Silver, Iron, Lead, Diamonds and Coal.

The South African economy has a number of strengths. We cite as an example:

- 1) A powerful and competitive automotive industry;
- 2) A good integration in international trade;
- 3) A Flexible regulations, adapted to the business climate;
- 4) A strong financial sector representing almost 20% of GDP.

#### SOUTH AFRICA: FISCAL DEFICIT VS. TREASURY DEBT



#### PIB NOMINAL (MM\$): TOP 3 DES PAYS AFRICAINS



#### **RESULTS' SUMMARY FOR Q2-22**

In this 14<sup>th</sup> edition, we analysed the AGR Africa Bond Index (AGR ABI) evolution during Q2-22. The main findings are as follows:

- The value of the AGR ABI stands at 71.6 pts against 89.4 pts in the last edition, i.e. a decrease of 20.0 pts;
- The deposit outstanding declined from \$ 94.0 Bn to \$ 78.1 Bn. At the origin, the increase in the risk premium in an inflationary context. This situation weighed on the valuation of Eurobonds for several countries;
- The inclusion of South Africa's new Eurobonds issue in the AGR ABI which is the main subject of this edition;
- The AGR ABI is still represented by 6 African countries like the previous edition. Indeed, the latter is composed by Nigeria, South Africa and Egypt which are largely representative in this benchmark. These 3 countries monopolize nearly 60% of the deposit outstanding while Ghana, Morocco and Kenya share the remaining 40%;
- The observation of the current index breakdown by S&P rating agency shows the strong contribution of B- rated bonds which monopolize almost 37% of AGR ABI. Furthermore, this latter is composed for 70% of residual maturities strictly superior to 5 years.

#### **RESULTS' DETAIL FOR Q2-22**

The second quarter of 2022 was marked by a continuation of the downward trend, ending with a decline in the AGR ABI at the end of the previous quarter, both in terms of value and size of the deposit. In addition, we note, on the one hand, the integration of a new South African Eurobonds issue amounting \$ 3.0 Bn and which composed by 2 lines of maturities. On the other hand, we also noted the withdrawal of a Moroccan Eurobond. The results of this new scope are as follows:

#### • A decrease in AGR ABI value

Since our last Q1-22 publication, we have witnessed a -20.0% drop in the value of the AGR ABI, falling from 89.4 points in April 2022 to 71.6 points on July 1<sup>st</sup>, 2022. Similarly, the total size of the index deposit declined from \$ 94.0 Bn to \$ 78.1 Bn despite the increase in the number of constituents, which reaches 88 bond lines compared to 87 a quarter earlier.

#### • A decline in residual maturity

The weighted residual maturity of the AGR ABI stood at 11.2 years after the last rebalancing. This appears to be down 0.3 pts compared to the level observed in Q1-22. Currently, the AGR ABI index consisted of 44.0% of Eurobonds with a residual maturity between 5 and 12 years.

#### AGR ABI EVOLUTION (PTS) Vs. OUTSTANDING AMOUNTS (\$ BN)

#### Index value (pts) Market value (\$ Bn) 120 100,0 Index value (pts) 80,0 11-Apr-22 16-Apr-22 21-Apr-22 11-May-22 26-May-22 31-May-22 10-Jun-22 20-Jun-22 26-Apr-22 11-May-22 36-May-22 16-May-22 21-May-22 15-Jun-05-Jun-25-Jun-

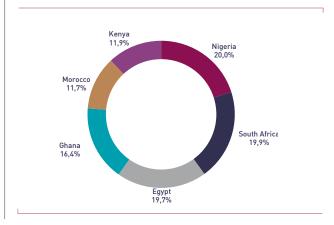
#### **EVOLUTION OF THE RESIDUAL MATURITY (YEARS)**



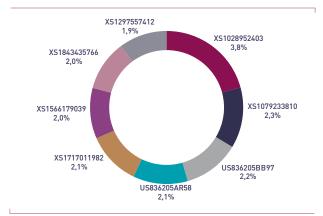
The AGR Africa Bond index is dominated by Nigeria, South Africa and Egypt which preserved a high representativeness in this benchmark. Indeed, these 3 countries represent nearly 60% of the capitalization while Ghana, Morocco and Kenya share the remaining 40%.

In terms of issuances' number, among the current 88 constituents of the AGR ABI, the former three countries together account for 60 bond issuances, i.e. nearly 68% of our index.

AGR ABI: BREAKDOWN BY COUNTRY



AGR ABI : ISIN OF THE 8 MAIN ISSUANCES [1]



(1) Representing 18.3% of AGR ABI

 $Sources: S\&P\ Dow\ Jones\ Indices,\ AGR\ Computations$ 

#### **RESULTS' DETAIL FOR Q2-22**

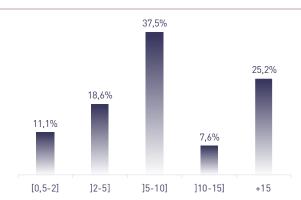
The modified duration<sup>(1)</sup> of the AGR ABI has fallen compared to its level observed in April 2022. This is the result of the rise in actuarial rates in an inflationary context as well as the fall in duration due to the non-renewal of old lines. In this context, the index shows a modified duration's level of 5.1x against 6.1x in last April.

The bond securities eligible for this index can be subdivided into five categories associated with five intervals of residual maturities (0.5-2 years, 2-5 years, 5-10 years, 10-15 years and more than 15 years). In this edition, we note that the AGR ABI index is composed for 70% of residual maturities superior to 5 years.

AGR ABI: EVOLUTION OF THE MODIFIED DURATION



AGR ABI: BREAKDOWN BY MATURITIES (2) (YEARS)



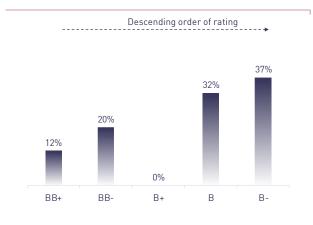
The number of the AGR Africa Bond Index constituents increased from 87 lines in April 2022 to 88 at the end of June 2022. During the monthly rebalancing of the AGR Africa Bond Index operated during April and May 2022, we note:

- The integration of a new Eurobonds issue carried out by South Africa for a total amount of \$ 3.0 Bn subdivided into two tranches with maturities of 10 years and 30 years. In addition, the withdrawal of a line belonging to Morocco whose residual maturity has became strictly inferior than 6 months;
- The strong contribution of bonds rated B and B<sup>-</sup> rated which concentrate 69% of the AGR ABI index. At the same time, sovereign bonds rated BB- and BB+ represent 20.0% and 12.0% of the index respectively.

#### ENTRIES AND/OR EXITS OF LINES IN THE AGR ABI

Country	Code ISIN	Description	Weight in the index
Entry			
S. Africa	US836205BC70	ZAGV 5.875 04/20/32	1.29%
	US836205BE37	ZAGV 7.300 04/20/52	1.45%
Exit			
Morocco	XS0850020586	MAGV 4.250 12/11/22	2.73%

#### INDEX BREAKDOWN BY S&P'S RATING



(2) Residual maturity

 ${\tt Sources: S\&P\ Dow\ Jones\ Indices,\ AGR\ Computations}$ 

<sup>(1)</sup> Modified duration: expressed in multiple (x), represents the change in the price of a bond following a 1% change in the discount rate. This notion takes into account the lines' weight with respect to their market value.

## **AGR AFRICA BOND INDEX PRESENTATION**

As a part of its mission to represent a high profile Research Center based in Africa and dedicated to African markets, Attijari Global Research has launched in March 2019 a new index called **AGR Africa Bond Index** « Code Bloomberg AGRAFBDT ».

Being the intellectual owner of the index, AGR joins forces with S&P Dow Jones Indices, world leader in indices computations and conception.

AGR Africa Bond Index represents a Total Return Index denominated in USD. Its starting universe is sovereign Eurobonds in Africa. In order to get closer to the economic reality across the continent, a series of eligibility criteria have been selected for the filters, particularly in terms of size, liquidity and rating.

This index aims to follow the outstanding amount of sovereign debts issued by African countries and denominated in foreign currencies. It thus allows to:

- ⇒ Analyze debt behavior in the Continent;
- ⇒ Track a profitable funding vehicle in full expansion in Africa;
- ⇒ Present an investment benchmark which could be replicated in respect of investment, size and diversification standards.

Through this new publication, AGR is gradually strengthening its coverage of African markets in a particular context where African economies express a more pronounced appetite for debt issuances, particularly Eurobonds (Cf. «Africa: Eurobonds, an acclaimed tool for an expanding debt » published on March 15<sup>th</sup>, 2019).

The role of S&P Dow Jones Indices revolves around the index calculation according to international standards and in accordance with criteria defined by AGR. Computed on a daily basis, this index is released on the Bloomberg platform. AGR ensures the edition and the publication of this document on a quarterly basis. This release provides a detailed analysis of the index evolution and its main characteristics.

# AGR ABI TECHNICAL SPECIFICATIONS

### **CHARACTERISTICS**

#### Characteristics:

Return type : Total ReturnBase date : 30 juin 2014

• Index Currency : US Dollars

• Base Value: 100 pts

#### **METHODOLOGY**

- Starting Universe: All African countries to which we apply selection criteria of S&P AFRICA HARD CURRENCY SOVEREIGN BOND INDEX which leads to 13 countries, including: Botswana Kenya Namibia Tanzania Zambia Egypt Mauritius Nigeria Tunisia Ghana Morocco South Africa Uganda.
- Weighting: 20% per country of risk.
- Selection criteria :
  - Residual maturity is 6 months meaning that a bond is only added into the index only if its residual maturity is strictly inferior to 6 months and is from the index if its residual maturity is superior or equal to 6 months;
  - ⇒ Only include EUR and USD dominated bonds;
  - ⇒ Minimum outstanding amount will be set for \$ 500 Mn for USD bonds and € 500 Mn for EUR bonds;
  - ⇒ Only include fixed coupons bonds;
  - ⇒ Only include bullet/at maturity type;
  - $_{\Rightarrow}$   $\,$  Only include bond rating superior or equal to B3/B- per S&P rating ;
  - ⇒ Only include 144A\* ISIN issues.
- Custom Index Calculation:

Follows « S&P Fixed Income Index Mathematics Methodology » and all S&P standardized calculation approaches, precisely interest payments and principle prepayments are kept in cash until next rebalance date and Bids are used as pricing input for the calculation.

- Rebalance: The Custom Index is rebalanced on a Monthly basis after the close of the last business day of the month.
- Rebalance Proforma schedule: T-3 to T, T being the previous trading day of rebalance effective date.
- Selection: S&P will perform the constituent selection and weighting at each rebalance.
- Calculation frequency: End of The Day (EOD).
- · Calculation date: Monday to Friday.
- History: since June 30th 2014.

<sup>\*</sup> Reg 144A: regulatory framework of the Securities and Exchange Commission dealing with access conditions of foreign issuers to US financial markets

#### ATTIJARI GLOBAL RESEARCH

#### **HEAD OF ECONOMY**

Abdelaziz Lahlou

+212 5 29 03 68 37 ab.lahlou@attijari.ma

#### **HEAD OF STRATEGY**

Taha Jaidi

+212 5 29 03 68 23

t.iaidi@attiiari.ma Casablanca

#### **SENIOR ANALYST**

Ines Khouaia

+216 31 34 13 10

khouaja.ines@attijaribourse.com.tn

Tunis

#### **MANAGER**

Lamyae Oudghiri

+212 5 29 03 68 18 Loudahiri@attijari.ma

#### **MANAGER**

Casablanca

Maria Iraqi +212 5 29 03 68 01

m.iraqui@attijari.ma Casablanca

### FINANCIAL ANALYST

Ulderic Diadio

+237 681 77 89 40

u.djadjo@attijarisecurities.com Douala

#### SENIOR ASSOCIATE

Mahat Zerhouni

+212 5 29 03 68 16 m.zerhouni@attijari.ma

Casablanca

#### **ASSOCIATE**

Meryeme Hadi

+212 5 22 49 14 82 m.hadi@attijari.ma

Casablanca

### FINANCIAL ANALYST

Yves André Angaman

+225 07 49 24 60 35

jean-jacques.birba@sib.ci Abidjan

#### **ASSOCIATE**

Walid Kabbaj

+212 5 22 49 14 82 w.kabbaj@attijari.ma

#### INVESTOR RELATIONS ANALYST

Nisrine Jamali

+212 5 22 49 14 82

n.jamali@attijari.ma Casablanca

## Equity

#### **BROKERAGE - MOROCCO**

Abdellah Alaqui

+212 5 29 03 68 27

a.alaoui@attijari.ma

Tarik Loudiyi +212 5 22 54 42 98

**CUSTODY - MAROC** 

t.loudiyi@attijariwafa.com

WAEMU - CÔTE D'IVOIRE

Rachid Zakaria +212 5 29 03 68 48

Mohamed Lemridi

mohamed.lemridi@sib.ci

+225 20 21 98 26

r.zakaria@attijari.ma

Anis Hares +212 5 29 03 68 34

a.hares@attijari.ma

## **BROKERAGE - TUNISIA**

Hichem Ben Romdhane

+225 29 318 965

h.benrhomdane@attijaribank.com.tn

Alae Yahya

+212 5 29 03 68 15

a.yahya@attijari.ma

#### CEMAC - CAMEROUN

Sammy N.Ekambi

+237 678 43 87

s.ekambi@attijarisecurities.com

## Bonds / Forex / Commodities

#### MOROCCO

**EGYPT** 

Mohammed Hassoun Filali

+212 5 22 42 87 09

Ahmed Darwish

+20 127 755 90 13

m.hassounfilali@attijariwafa.com

m.elhajli@attijariwafa.com

+212 5 22 42 87 09

Amine Flhaili

TUNISIA

Atef Gabsi

+216 71 80 29 22

ahmed.mdarwish@aattijariwafa.com.eg gabsi.atef@attijaribank.com.tn

Loubaba Alaoui Mdaghri

+212 6 47 47 48 34

l.alaouim@attijariwafa.com

MIDDLE EAST - DUBAÏ

Serge Bahaderian

+971 0 43 77 03 00

sbahaderian@attijari-me.com

Dalal Tahoune

+225 22 42 87 07

d.tahoune@attijariwafa.com

#### WAEMU - CÔTE D'IVOIRE

Abid Halim

+225 20 20 01 55 abid.halim@sib.ci CEMAC - GABON Youssef Hansali

Sofia Mohcine

+212 5 22 49 59 52

s.mohcine@wafabourse.com

+241 01 77 72 42

voussef.hansali@ugb-banque.com

## DISCLAIMER S&P DOW JONES INDICES

AGR Africa bond Index is the property of Attiliari global Research, which has contracted with S&P Opco, LLC (a subsidiary of S&P Dow Jones Indices LLC) to calculate and maintain the Index. The Index is not sponsored by S&P Dow Jones Indices or its affiliates or its third party licensors (collectively, "S&P Dow Jones Indices"). S&P Dow Jones Indices will not be liable for any errors or omissions in calculating the Index. "Calculated by S&P Dow Jones Indices" and the related stylized mark (s) are service marks of S&P Dow Jones Indices and have been licensed for use by Attijari Global Research. S&P® is a registered trademark of Standard & Poor's Financial Services LLC ("SPFS"), and Dow Jones® is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones").

## DISCLAIMER AGR

Investment in Securities is a risky operation. This document is intended for informed investors. The value and yield of an investment can be influenced by several factors both economic and technical.

Previous performances of the different assets classes do not constitute a guarantee for subsequent achievements. Furthermore, forecast of future achievements may be based on assumptions that could not be realized LIARILITY LIMITS

The investor acknowledges that these opinions constitute an element of decision support. He assumes full responsibility for his investment choices. Attijari Global Research can't be considered responsible for his investment choices. This document can under no circumstances be considered as an official confirmation of a transaction addressed to a person or entity and no guarantee can be made that this transaction will be concluded on the basis of the terms and conditions contained in this document or on the basis of other conditions.

Attijari Global Research has neither verified nor conducted an independent analysis of the information contained in this document. Therefore, Attijari Global Research doesn't make any statement or guarantee and makes no commit this document's readers, in any way whatsoever regarding the relevance, accuracy or completeness of the information contained therein. In any case, readers should collect the internal and external opinions they deem necessary, including from lawyers, tax specialists, accountants, financial advisers, or any other experts, to verify the adequacy of the transactions which are presented to them. The final decision is the sole responsibility of the investor. Attijari Global Research can not be held responsible for financial losses or any decision made on the basis of the information contained in its presentations.

INFORMATION SOURCE Our publications are based on public information. Attijari Global Research strives for the reliability of the information provided. However, it is unable to guarantee its veracity or completeness. The opinions provided are expressed only by the

analysts writers. This document and all attachments are based on public information and may in no circumstances be used or considered as a commitment from Attijari Global Research.

CHANGE OF OPINION The expressed recommendations reflect an opinion consisting of available and public elements during the preparation period of the said note. The views, opinions and other information expressed in this document are indicative and may be modified or removed at any time without prior notice.

INDEPENDENCE OF OPINION

Attijari Global Research preserves full independence regarding the opinions and recommendations issued. As a result, the investment decisions of Attijariwafa bank Group subsidiaries may conflict with the recommendations and / or strategies published in the Research notes.

REMUNERATION AND BUSINESS STREAM

Financial analysts responsible for the preparation of this report receive remunerations based on various factors, among which the quality of the research and the relevance of the topics discussed. Attijariwafa bank Group maintains a business stream with the companies covered in the publications of Attijari Global Research. ADEQUACY OF OR JECTIVES

The various publications of Attijari Global Research are prepared excluding the individual financial circumstances and objectives of persons who receive them. The instruments and discussed strategies may not be appropriate for the different investor profiles. For this reason, making an investment decision solely on these opinions may not lead to the intended objectives. OWNERSHIP AND DIFFUSION This document is the property of Attijari Global Research. It may not be duplicated or copied partially or fully without the written consent of the management of Attijari Global Research. This document can be distributed only by Attijari Global

Research or one of Attijariwafa bank Group's subsidiaries. SUPERVISORY AUTHORITIES Attijari Global Research is subject to the supervision of the regulatory authorities for the various countries of presence. These include AMMC in Morocco, CMF in Tunisia, CREPMF in WAEMU, COSUMAF in CEMAC and CMA in Egypt. Any person

accepting to receive this document is bound by the terms above