COMESA
Sectoral Scenarios for COMESA

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Stability scenario

Chart 13: Governance security in CP and Stability scenario, 2019–2043
IFs index 0–1

The Stability scenario represents reasonable but ambitious reductions in risk of regime instability and lower levels of
internal conflict. Stability is generally a prerequisite for other aspects of development and this would encourage inflows of foreign direct investment (FDI) and improve business confidence. Better governance through the accountability that follows substantive democracy is modelled separately.

The intervention is explained [here](#) in the thematic part of the website.

COMESA's governance security index score would rise from 0.67 in 2019 to 0.84 in 2043 in the Stability scenario — a 15% improvement compared to the Current Path forecast.

The country that is projected to see the biggest improvement is Somalia, which is understandable given the years of upheaval it has experienced, followed by the DR Congo, a country similarly hampered by continued disorder. Mauritius and Seychelles would experience small increases, due to their scores already being high.

**Chart 14: GDP per capita in CP and Stability scenario, 2019–2043**

COMESA's average GDP per capita is projected to be US$247 higher in the Stability scenario compared to the Current Path forecast in 2043. The REC is expected to be US$347 behind Africa's average of US$7 157 in 2043 — a much smaller margin than in 2019 when it was US$731.

Somalia would benefit the most from the Stability scenario’s intervention, seeing a 7.8% increase in GDP per capita by 2043 compared to the Current Path forecast. This is understandable given the continued internal conflict that still hampers Somalia's growth. The more stable countries of Mauritius and Seychelles would see the smallest increases of below 2% in 2043 compared to the Current Path forecast.
In 2019, the average extreme poverty rate in COMESA was 35.4% (using US$1.90), representing 206.3 million people. It was highest at 76.7% in Burundi (8.5 million people). The Stability scenario is projected to decrease COMESA’s poverty rate by 1.6 percentage points in 2043 compared to the Current Path forecast. This translates to 15 million fewer extremely poor people. It is particularly impressive given the expected increase of 399.8 million people to the REC’s population by 2043 in the Current Path forecast.

Madagascar, the DR Congo and Somalia are all projected to see a 3 percentage point or higher decrease in their poverty rates by 2043 compared to the Current Path forecast. Other countries, where internal conflict and political stability are less of a problem, see smaller decreases and require further interventions to combat their struggle with extreme poverty.
This section presents the impact of a Demographic scenario that aims to hasten and increase the demographic dividend through reasonable but ambitious reductions in the communicable-disease burden for children under five, the maternal mortality ratio and increased access to modern contraception.

The intervention is explained here in the thematic part of the website.

Demographers typically differentiate between a first, second and even a third demographic dividend. We focus here on the contribution of the size of the labour force (between 15 and 64 years of age) relative to dependants (children and the elderly) as part of the first dividend. A window of opportunity opens when the ratio of the working-age population to dependants is equal to or surpasses 1.7.

Chart 16 shows COMESA getting to a potential demographic dividend seven years earlier, in 2036, in the Demographic scenario compared to the Current Path forecast. The combination of reduced infant mortality and total fertility and increased life expectancy also mean that COMESA’s dividend would last longer compared to the Current Path forecast.

In 2019, there were five countries already in a potential demographic dividend (Mauritius, Seychelles, Tunisia, Libya and Djibouti) and their ratio of working-age population to dependants will remain the same in the Demographic scenario as in the Current Path forecast. The other 16 members will experience higher peaks in their ratios, and Comoros, Eritrea,
Ethiopia and Zimbabwe are all projected to experience a potential demographic dividend five years earlier than in the Current Path forecast.

The infant mortality rate is the number of infant deaths per 1,000 live births and is an important marker of the overall quality of the health system in a country.

COMESA’s infant mortality rate of 39.2 deaths per 1,000 live births in 2019, 7.6 deaths lower than Africa’s average, is projected to drop significantly to 14.7 in 2043 in the Demographic scenario, 3.8 lower than in the Current Path forecast.

The country with the highest infant mortality rate in 2019 was Somalia at 67 deaths per 1,000 live births. By 2043, Somalia and Madagascar are projected to see the largest reduction in deaths in the Demographic scenario compared to the Current Path forecast, at 6.2 and 7.8 deaths per 1,000 live births respectively. Ethiopia is also projected to see robust progress as infant mortality falls from 39.3 deaths in 2019 to 8.2 in 2043, a level below both Mauritius and Egypt, countries whose GDP per capita is much higher.
COMESA is expected to see a 4%, or US$261, increase in its GDP per capita in 2043 in the Demographic scenario compared to the Current Path forecast. The reduction in population size and earlier arrival of the demographic dividend act only as enabling factors for greater GDP growth and must be matched with better education and healthcare to unlock a more productive labour force.

Malawi is expected to see the biggest increase in GDP per capita with a 7.5% improvement in 2043 in the Demographic scenario compared to the Current Path forecast. Tunisia, Mauritius and Seychelles have already entered a potential demographic dividend window of opportunity and will see little improvement in the Demographic scenario. All will see increases of less than a per cent by 2043 compared to the Current Path forecast.
In the Demographic scenario, COMESA's poverty is projected to decrease by 18 percentage points from 35.4% in 2019 to 17.4% in 2043. The decrease would put the REC 1.4 percentage points below its Current Path forecast and 2.4 percentage points below Africa's Current Path forecast poverty rate.

Madagascar is projected to see the largest reduction in its poverty rate, with a decrease of 5.4 percentage points, but will still have 61.3% of its population living in extreme poverty by 2043. At the US$3.20 poverty level, Zambia's poverty rate is projected to still be 65.1% by 2043. The interventions proposed in the Demographic scenario must be accompanied by improvements in education and healthcare outcomes as well as other efforts to improve labour productivity to significantly accelerate economic growth and reduce poverty.
This section presents reasonable but ambitious improvements in the Health/WaSH scenario, which include reductions in the mortality rate associated with both communicable diseases (e.g. AIDS, diarrhoea, malaria and respiratory infections) and non-communicable diseases (NCDs) (e.g. diabetes), as well as improvements in access to safe water and better sanitation. The acronym WaSH stands for water, sanitation and hygiene.

The intervention is explained here in the thematic part of the website.

COMESA’s life expectancy was 66.4 years in 2019 — 0.6 years above the average for Africa. In the Health/WaSH scenario, COMESA is projected to see a 0.5-year improvement in life expectancy compared to its Current Path forecast, reaching 72.5 years by 2043.

Eswatini is projected to see the largest increase in life expectancy from 2019 to 2043 of 10.5 years. Eswatini will also have the largest increase compared to the Current Path forecast, 1.2 years higher in 2043, equivalent to an 18% improvement. Comoros and Djibouti will gain the least. The REC is projected to have three of the six lowest ranked countries in Africa by 2043 but also six of the top ten, highlighting the large development differences within the REC.
COMESA’s infant mortality rate is projected to be 16.7 per 1,000 live births in 2043 in the Health/WaSH scenario, 1.8 deaths lower than the Current Path forecast and 22.5 deaths lower than in 2019. The REC’s infant mortality rate would be 5.9 deaths below Africa’s Current Path forecast average in 2043.

The biggest reduction will occur in Madagascar’s rate, which decreases by 4.7 deaths per 1,000 live births in 2043 compared to the Current Path forecast. Somalia performs much worse in this scenario compared to the Demographic scenario: the country’s rate is 4.2 deaths higher in 2043 compared to the latter scenario, showing how much it is struggling with an under-5 communicable-disease burden.
The Agriculture scenario represents reasonable but ambitious increases in yields per hectare (reflecting better management and seed and fertiliser technology), increased land under irrigation and reduced loss and waste. Where appropriate, it includes an increase in calorie consumption, reflecting the prioritisation of food self-sufficiency above food exports as a desirable policy objective.

The intervention is explained here in the thematic part of the website.

The data on yield per hectare (in metric tons) is for crops but does not distinguish between different categories of crops.

At 4.3 tons per hectare, COMESA’s crop yields are marginally higher than the average for Africa: in 2019, the gap was 0.4 tons per hectare and by 2043 the gap would have shrunk to 0.1 tons in the Agriculture scenario. The REC’s yield per hectare is projected to be 7.3 tons in 2043, 2.3 tons higher than in the Current Path forecast. These numbers obscure very large differences between high-yield countries such as Mauritius and Eswatini versus countries such as Zimbabwe and Sudan where yields are below 2 tons per hectare.

Eswatini is expected to experience the largest increase in yield among COMESA’s members: its yield per hectare is projected to increase by 5.5 tons in 2043 in the Agriculture scenario compared to the Current Path forecast. This increase comes from an already high base, with the country ranking second in Africa in 2019 for yield per hectare. Mauritius, which
held the top spot in 2019, is expected to see a drop in its yield per hectare in both the Current Path forecast and the Agriculture scenario. The small island nation faces problems regarding land available for economically viable agriculture use and inefficiencies in sugarcane processing. The second highest increase is projected to come from Burundi, with a rise of 4.5 tons above the Current Path forecast in 2043. Burundi is performing below its potential, due in large part to a lack of access to resources such as fertiliser.

COMESA’s food security situation aligns with that of Africa as a whole. The REC’s average agricultural imports as a per cent of agricultural demand was 11.5% in 2019 — 0.6 percentage points above Africa’s average. The situation is projected to worsen considerably in the Current Path forecast and by 2043 COMESA would import almost a third of its food. The Agriculture scenario neutralises this sharp rise and in 2043 the rate would mirror its 2019 level at 11.5%.

Ethiopia is projected to see robust progress in counteracting its agricultural import dependence. In 2019, the country’s agricultural imports equalled 5% of demand but in the Agriculture scenario this figure drops to -39% by 2043, making it a net exporter of agricultural products and self-sufficient in meeting demand for food. The Agriculture scenario also aids Sudan and Burundi in avoiding a sharp rise in import dependence, reducing their 2043 figures by 39 and 36 percentage points respectively. Countries such as Djibouti and Seychelles which face natural constraints to agricultural production are projected to continue to have a high import dependence, despite the scenario’s interventions.
The Agriculture scenario is projected to have a strong, positive impact on COMESA’s GDP per capita, increasing the figure by US$259 above the Current Path forecast for 2043. The gap between this and Africa’s average GDP per capita decreases to US$335 in the Agriculture scenario, an improvement compared to the US$731 gap in 2019.

The Agriculture scenario is among the most powerful scenarios for increasing GDP per capita for several countries. Madagascar, the DR Congo, Burundi, Sudan, Comoros and Kenya will all see large increases of 9% in 2043 or higher compared to their Current Path forecasts. This shows how the positive effect of unlocking their agricultural potential can have on bettering living standards for their citizens.
In 2019, the average extreme poverty rate in COMESA was 35.4% (using US$1.90), representing 206.3 million people. It was highest at 76.7% in Burundi (8.5 million people). The Agriculture scenario reduces COMESA’s extreme poverty rate by 5 percentage points in 2043 compared to the Current Path forecast, putting its rate 7.1 percentage points lower than Africa’s average poverty rate for the same year.

Madagascar would perform especially well in the Agriculture scenario, seeing a 16.7 percentage point decrease compared to the Current Path forecast in 2043. The DR Congo and Burundi also see sizable decreases of 14.8 and 10.5 percentage points respectively. Five countries (Egypt, Mauritius, Libya, Tunisia and Seychelles) that are not heavily dependent on their agriculture sectors for employment and economic activity will not experience any decrease in their respective poverty rates.
The Education scenario represents reasonable but ambitious improved intake, transition and graduation rates from primary to tertiary levels and better quality of education. It also models substantive progress towards gender parity at all levels, additional vocational training at secondary school level and increases in the share of science and engineering graduates.

The intervention is explained here in the thematic part of the website.

The 2019 average of COMESA’s mean years of adult education, combining male and female years, was 5.7 years, improving to 7.2 years in 2043 in the Current Path forecast and 7.6 years in the Education scenario. The REC’s average was 0.5 years below the average for Africa in 2019 but the gap is expected to narrow in Africa’s Current Path forecast to 0.3 in the Education scenario.

Mean years of adult education in 2019 ranged from 4 years in Sudan to 9.5 years in Seychelles. Sudan, coming from a low base, is projected to see the largest increase compared to its 2019 levels, increasing from 4 to 6.4 years in 2043, 0.4 years higher than the Current Path forecast. Similarly, Eritrea and Ethiopia are projected to progress steadily in the Education scenario but will only surpass Africa’s 2019 average by 0.1 years in 2043.

The scenario increases mean years of education for both male and female learners above the Current Path forecast, but
there is a large disparity between COMESA’s male and female figures, with male mean years of education 1.1 years higher in 2019. In 2043, the gap would be reduced to 0.7 years in the Education scenario. The gap will be the biggest in Somalia, at 2.1 years in 2043, while in Libya, females will have 1.6 years more education than males.

Chart 27: Education quality in CP and Educ scenario, 2019–2043
Average test scores for primary and secondary learners

The average test scores for learners at primary and secondary level serve as a proxy for education quality. COMESA’s primary level score was 30 in 2019, 1.4 below Africa’s average, with its secondary level score 8.9 points higher at 38.9, 0.2 below Africa’s average. The Education scenario boosts these scores considerably. Primary level score will reach 38.2 in 2043, 5.4 points above the Current Path forecast. The secondary level score overtakes Africa’s Current Path forecast average, reaching 48.2 by 2043, 8.2 higher than the Current Path forecast.

Mauritius is projected to have the largest increases at both levels in the Education scenario compared to the Current Path forecast, improving by 8 points at primary level and 12 points at secondary level in 2043. The country is projected to have the highest scores at both levels by 2043, reflecting its continued investments in educating its populace. Despite the Education scenario’s interventions and reasonable improvements, Burundi, Djibouti, the DR Congo, Eritrea, Ethiopia, Rwanda, Sudan and Zambia will still score below Africa’s average of 38.8 for primary learners by 2043.

Malawi is expected to see the largest increase in GDP per capita of 5.3% in 2043 compared to the Current Path forecast. Libya is projected to see the smallest increase of all COMESA’s members at 1.7% in 2043. The impact of the scenario’s interventions, mirroring those of the Demographic scenario, will only fully be felt in the long term, past the 2043 forecast horizon.
In 2019, 206.3 million (or 35.4%) of COMESA’s population lived in extreme poverty. In the Current Path forecast, it will be 184.3 million (18.8%) in 2043. COMESA’s poverty rate is projected to be 1.5 percentage points lower in 2043 in the Education scenario, compared to the Current Path forecast, and would be 3.6 percentage points lower than Africa’s average. The decrease equates to the extremely poor population being 15.2 million people fewer in 2043.

In line with the impact the scenario has on GDP per capita, decreases in poverty rates are relatively small. Zambia, the DR Congo and Madagascar are the only countries that see a 3 percentage point or higher reduction in their poverty rates in 2043 compared to the Current Path forecast. Given the size of its poor population, the largest decline is in the DR Congo with 5.6 million fewer extremely poor people in 2043.
Manufacturing scenario

Chart 30: Value added by sector in CP and Manufac/Transfers scenario, 2019-2043

The Manufacturing/Transfers scenario represents reasonable but ambitious manufacturing growth through greater investment in the economy, investments in research and development, and promotion of the export of manufactured goods. It is accompanied by an increase in welfare transfers (social grants) to moderate the initial increases in inequality that are typically associated with a manufacturing transition. To this end, the scenario improves tax administration and increases government revenues.

The intervention is explained here in the thematic part of the website.

Chart 30 should be read with that presents a stacked area graph on the contribution to GDP and size, in billion US$, of the Current Path economy for each of the sectors.

In 2043, the manufacturing sector, as a per cent of GDP, will be 0.2 percentage points bigger, an increase that equates to US$69.3 billion more value added than in the Current Path forecast. Services would add US$167.9 billion more in the scenario by 2043 compared to the Current Path forecast, reflecting the trend of rapid growth in the service sector seen throughout Africa.

The size of the manufacturing sector is projected to increase for all countries in the Current Path forecast, except Mauritius, which sees a 0.6 percentage point decline. Malawi is projected to see the largest increase of 13.2 percentage
points by 2043 compared to 2019, pushing the value added by the manufacturing sector to nearly a third of total value added in 2043. The structural shift towards manufacturing’s more productive and higher value activities mean agriculture will add significantly less value by 2043. Ethiopia would see the largest decrease of 26.3 percentage points in agriculture’s contribution to total value added by 2043.

The Manufacturing/Transfers scenario increases government welfare transfers to unskilled workers to combat the increased poverty caused by the initial investment in manufacturing. Unskilled workers serve as a proxy for the poor, and welfare transfers to these citizens should help to alleviate poverty and dampen the effects of increased inequality often associated with a manufacturing-led growth path. COMESA is projected to see a 53% increase in these welfare transfers in the Manufacturing/Transfers scenario compared to the Current Path forecast, reaching US$271.4 billion by 2043.

In absolute terms, the increase is largely driven by Egypt, Uganda and Ethiopia, while the DR Congo, Somalia and Malawi would all see increases above 80% compared to their Current Path forecasts by 2043. These increases translate to the latter three countries seeing sizable reductions in poverty rates by 2043.
The Manufacturing/Transfers scenario would have a significant effect on COMESA’s GDP per capita. The REC’s average GDP per capita would reach US$6,954 in 2043, US$391 higher than the Current Path forecast for the same year. This 6% increase closes the gap with Africa’s average GDP per capita to US$203 in 2043, down from the US$731 gap in 2019.

Malawi is expected to see the largest increase in GDP per capita in the scenario, potentially experiencing a 10.4% increase in 2043 compared to the Current Path forecast. Libya would see the smallest increase of just 0.9% above the Current Path forecast in 2043. The scenario further boosts the expected progress multiple countries will make in the Current Path forecast. Five of COMESA’s members (Rwanda, the DR Congo, Eritrea, Uganda and Ethiopia,) are projected to more than double their GDP per capita in the Manufacturing/Transfers scenario compared to their 2019 level, while Malawi’s would more than triple from its low base of US$1,288.
In 2019, 206.3 million (or 35.4%) of COMESA’s population lived in extreme poverty. In the Current Path forecast, it will be 184.3 million (18.8%) in 2043. In the Manufacturing/Transfers scenario, COMESA’s poverty rate is projected to be 2.5 percentage points lower in 2043 than in the Current Path forecast and would be 4.7 percentage points lower than Africa’s average. The decrease equates to the extremely poor population being 25.2 million people fewer in 2043.

In line with the impact the scenario has on GDP per capita, Malawi sees the biggest decrease in its poverty rate. In 2043, Malawi’s poverty rate is projected to be 6.1 percentage points lower than in the Current Path forecast. The sizable decline is largely due to the 82.6% increase Malawi is projected to see in government transfers to unskilled workers, as discussed in Chart 31. Countries such as Mauritius, Libya and Tunisia, which have all already achieved the SDG goal of eliminating extreme poverty, see negligible to no decreases, due mainly to minimal increases in their government transfers to unskilled workers.
The Leapfrogging scenario represents a reasonable but ambitious adoption of and investment in renewable energy technologies, resulting in better access to electricity in urban and rural areas. The scenario includes accelerated access to mobile and fixed broadband and the adoption of modern technology that improves government efficiency and allows for the more rapid formalisation of the informal sector.

The intervention is explained here in the thematic part of the website.

Fixed broadband includes cable modem Internet connections, DSL Internet connections of at least 256 KB/s, fibre and other fixed broadband technology connections (such as satellite broadband Internet, ethernet local area networks, fixed-wireless access, wireless local area networks, WiMAX, etc.).

COMESA’s fixed broadband subscriptions would increase to 48.3 per 100 people by 2043 in the Leapfrogging scenario, 19.1 subscriptions more than in the Current Path forecast for the same year. Growth of this magnitude is impressive, as it comes from a low base of 3.2 subscriptions in 2019. The related benefits of increased Internet access are multiple and varied, leading to greater communication and information transfer and prompting higher levels of innovation across the region.

Seychelles and Mauritius come off a much higher penetration rate than other COMESA member states although Libya will
experience particularly rapid growth. Individually, five countries (Eritrea, Sudan, Kenya, Zambia and Burundi) are projected to see increases of 100% or more by 2043 compared to the Current Path forecast. The scenario enables most of COMESA’s members to reach 50 subscriptions per 100 people by 2043, which is considered the saturation level in the IFs model. Only Burundi and Sudan, both of which come from the lowest bases in 2019, would still be below 50 subscriptions per 100 people at 42.2 and 40.3 subscriptions in 2043 respectively.

Mobile broadband refers to wireless Internet access delivered through cellular towers to computers and other digital devices.

The potential benefits of Internet access are more easily attainable through mobile telephones, which are cheaper than fixed-line Internet solutions. Africa generally has leveraged mobile phone technology to circumvent the costly implementation of fixed-line infrastructure. Within IFs, subscription rates of 150 per 100 people is considered saturation level.

COMESA is projected to see very robust growth in mobile subscriptions, reaching 142.3 subscriptions by 2043 in the Leapfrogging scenario, nearly 300% higher than the 2019 level of 35.9 subscriptions. Improvements differ between countries, however, with Eritrea and Sudan trailing other countries in the Current Path forecast and in the Leapfrogging scenario.

The impact of the Leapfrogging scenario is most notable in Seychelles, which is an interesting case. The country is projected to go from trailing low-income countries such as Sudan and Burundi in 2019 to having 158.7 subscriptions per
100 people by 2043, the highest in Africa and 6.5 subscriptions more than in the Current Path forecast. Somalia would also catch up to upper middle income countries such as Mauritius and Libya, and experience the largest increase compared to 2019 and compared to its Current Path forecast, reaching 153.2 subscriptions per 100 people in 2043.

Increased access to electricity enables households to enjoy the benefits of cleaner cooking methods, lighting to study and for leisure and it is a necessary condition for Internet access, a major boon for development in itself. In 2019, Africa's total electricity access stood at 53% of the total population, two percentage points higher than COMESA's average for the same year. In the Leapfrogging scenario, COMESA's average rate of access would reach 84% by 2043, 11 percentage points higher than Africa's Current Path forecast.

Uganda stands to benefit the most from the Leapfrogging scenario, with its total electricity access increasing by 21.5 percentage points above the Current Path forecast to reach 92.4% in 2043. Burundi will however continue to struggle, only reaching 32.7% in 2043 in the Leapfrogging scenario, despite a 9 percentage point increase compared to the Current Path forecast. The country would only reach 21.4% rural access in the Leapfrogging scenario by 2043.

Across COMESA’s members, rural access lags behind urban access, with five countries (Burundi, the DR Congo, Zambia, Somalia and Madagascar) projected to have rural access rates below 50% in 2043 in the Leapfrogging scenario.
The Leapfrogging scenario would appreciably improve COMESA’s GDP per capita. The REC’s average GDP per capita would reach US$ 975 in 2043, US$412 higher than in the Current Path forecast for the same year. This 6.3% increase narrows the gap with Africa’s Current Path forecast GDP per capita to US$182 in 2043, down from a difference of US$594 in the Current Path forecast.

Madagascar is expected to see the largest increase of 20% in GDP per capita in the Leapfrogging scenario compared to the Current Path forecast. Mauritius would see the smallest increase of just 1.1% above the Current Path forecast in 2043 due to its already small informal sector and high level of electricity access.
In 2019, 206.3 million (or 35.4%) of COMESA's population lived in extreme poverty. In the Current Path forecast, it will be 184.3 million (18.8%) in 2043. The poverty rate for COMESA is projected to decline by 2.6 percentage points by 2043 compared to the Current Path forecast, a reduction equalling 25.4 million people. The REC would have a poverty rate 4.7 percentage points below Africa's average poverty rate in 2043 of 20.9%.
Free Trade scenario

Chart 39: Trade balance in CP and Free Trade scenario, 2019–2043

The Free Trade scenario represents the impact of the full implementation of the African Continental Free Trade Area (AfCFTA) by 2034 through increases in exports, improved productivity and increased trade and economic freedom.

The intervention is explained here in the thematic part of the website.

The trade balance is the difference between the value of a country’s exports and its imports. A country that imports more goods and services than it exports in terms of value has a trade deficit, while a country that exports more goods and services than it imports has a trade surplus.

COMESA’s trade balance is expected to worsen in the Free Trade scenario, even though the REC’s trade volume increases compared to Current Path forecast. Exports are projected to be 59.3% higher in 2043 in the Free Trade scenario compared to the Current Path forecast, but due to the AfCFTA’s relaxation of restrictions to trade, imports increase by 67.2%. As a result, by 2043, COMESA’s trade balance would be -7.1% of GDP in the Free Trade scenario, down 2.7 percentage points from the Current Path forecast. Encouragingly, the Free Trade scenario boosts manufacturing exports for the REC and will equate to 35.9% of GDP in 2043, 12.4 percentage points higher than in the Current Path forecast.

The increase in COMESA’s trade deficit is because only three countries (Eritrea, Sudan and Burundi) see a positive change to their trade balance, with Burundi’s swing from -32.1% in the Current Path forecast to 2.2% in the Free Trade scenario in
2043 a particularly marked improvement. The rest of COMESA’s members would see their trade deficits grow or surpluses shrink, but all would see an increase in overall trade. Ethiopia, Uganda and Kenya are all projected to see an increase of 80% or higher in their trade volume by 2043 compared to the Current Path forecast. The scenario would also improve value-added exports from the manufacturing sector for all COMESA’s members, except for Burundi.

Chart 40: GDP per capita in CP and Free Trade scenario, 2019–2043

The Free Trade scenario would have the largest effect on COMESA’s GDP per capita out of all the scenarios discussed. As shown in Chart 40, COMESA’s average GDP per capita would reach US$7,218 in 2043, US$655 higher than the Current Path forecast for the same year. This 10% increase reduces the gap with Africa’s Current Path forecast GDP per capita to only US$61 in 2043, down from the US$731 difference in 2019.

Malawi will see the largest increase in GDP per capita in the scenario, potentially experiencing a 20.4% increase in 2043 compared to the Current Path forecast. Rwanda and Madagascar also do well. Mauritius would again see the smallest increase of 3.4% above the Current Path forecast in 2043. The small island nation already has a high level of productivity and economic freedom, limiting the effect the scenario has.
In 2019, 206.3 million people (or 35.4% of COMESA’s total population) were living below GDP per capita of US$1.90 per person per day. In the Current Path forecast, it would reduce to 184.3 million in 2043 (18.8%). COMESA’s poverty rate is projected to be 4.1 percentage points lower in 2043 in the Free Trade scenario (14.7%) compared to the Current Path forecast and would be 6.1 percentage points lower than Africa’s average. The decrease equates to the extremely poor population being 40 million people fewer in 2043.

The scenario significantly reduces the poverty rates of multiple members of COMESA. The DR Congo and Madagascar are projected to see a reduction above 10 percentage points by 2043 compared to the Current Path forecast, translating into a 2043 reduction of 22 million and 5.3 million people respectively. With the lowest GDP per capita among the COMESA members, extreme poverty in Burundi increases by 1.8 million people in 2043 compared to the Current Path forecast for that year.
The Financial Flows scenario represents a reasonable but ambitious increase in worker remittances and aid flows to poor countries, and an increase in the stock of foreign direct investment (FDI) and additional portfolio investment inflows to middle-income countries. We also reduced outward financial flows to emulate a reduction in illicit financial outflows.

COMESA’s average dependence on foreign aid in 2019 (3.2% of GDP) was above the African average (2.4% of GDP). In the Financial Flows scenario, aid inflows will decline to 1.7% in 2043 for COMESA and to 1.3% of GDP for Africa. The REC’s downward trajectory (expressed as a portion of GDP) therefore mirrors the decline in contribution in Africa’s average, which would reach 1.2% in 2043 in the Current Path forecast.

In absolute terms, aid to COMESA will, however, increase substantially both in the Current Path forecast and the Financial Flows scenario. Expressed in absolute numbers, COMESA will receive US$56.4 billion aid in the Financial Flows scenario in 2043 instead of US$51 billion in the Current Path forecast for that year. In 2019, COMESA received US$28.9 billion in aid.

Three countries that receive the highest levels of aid expressed as a per cent of GDP are Malawi, Burundi and Rwanda, whose aid receipts equalled 24%, 20% and 15% of GDP respectively in 2019. This is not unexpected given their high levels of poverty, which range from 54% to 77% of the population living below the $1.90 poverty line. In the Financial Flows scenario...
scenario, they will receive 12.3%, 13.8% and 8.2% respectively of GDP in aid in 2043, reflecting the general reduction in aid as a portion of GDP as African economies grow. In both the Current Path forecast and the Financial Flows scenario, foreign aid is expected to decrease to 2043 when expressed as a per cent of GDP, although the scenario marginally lessens the decline. Burundi would see the largest increase of 1.7 percentage points above the Current Path forecast by 2043. Given the small size of its economy that increase is equivalent to an additional US$165 million of aid.

FDI serves as an effective means through which African countries can finance their economic development and increase participation in the global economy. COMESA’s level of FDI inflows was nearly a percentage point higher than Africa’s average in 2019 — a gap which is projected to shrink to 0.6 percentage points by 2043 in the Financial Flows scenario. Expressed as a per cent of GDP, the 2019 rates vary considerably among COMESA members, from Seychelles (at 14.1% of GDP) and Djibouti (at 9.2%) to Burundi and Comoros (both at 1.1%).

By 2043, Seychelles is expected to receive inflows equivalent to 10.5% of GDP, followed by Djibouti (at 7.3%) and Madagascar (at 6.9%). It is, however, Malawi that will have the largest increase in FDI inflows as a per cent of GDP compared to its 2019 levels, with its rate being 2.3 percentage points higher by 2043 in the Financial Flows scenario than in the Current Path forecast. Across the REC, FDI inflows measured as a per cent of GDP do not increase by much, and four countries (Seychelles, Djibouti, Libya and Zambia) decrease compared to their 2019 levels. Seychelles, which had the highest rate in 2019, is projected to see a 3.5 percentage point decrease and rank sixth on the continent in the Financial Flows scenario by 2043.

In absolute terms, however, Egypt gets the largest increase compared to the Current Path forecast (US$7.3 billion more in
2043), followed by Ethiopia (US$1.9 billion more) and Uganda (US$1.8 billion more). The countries that get the smallest increase are Seychelles (which comes off a much higher base), Burundi and Comoros. The latter two have received little FDI inflows historically.

![Chart 44: Remittances in CP and Financial Flows scenario, 2019–2043](chart)

Because African economies and populations are generally growing quite rapidly, remittance inflows are expected to decrease across Africa when expressed as a per cent of GDP to 2043, although not in absolute terms. In the Financial Flows scenario, remittances will increase from US$37.8 billion (1.2% of GDP) to US$45.6 billion (1.4% of GDP) in 2043 when comparing the Current Path forecast. In 2019, COMESA member states received US$17.7 billion in remittances (1.9% of GDP). These averages obscure the fact that, in 2019, eight COMESA members (Eritrea, Sudan, Rwanda, Zambia, Seychelles, the DR Congo, Mauritius and Libya) experienced net outflows of remittances. In the Current Path forecast, these countries will still be doing that in 2043.

The impact of the Financial Flows scenario on remittances differs from country to country given the size of migrant flows and historical trends, among others. Five COMESA members (Zambia, Seychelles, Eritrea, Libya and Mauritius) will receive fewer remittances (in US$ terms) in the Financial Flows scenario by 2043 than in the Current Path forecast for that year. All other member states will receive larger inflows. The additional remittance inflows to Egypt will be largest, at US$2.7 billion. In the Financial Flows scenario, Mauritius, Rwanda, Seychelles, Zambia, Eritrea, Sudan, Libya Mauritius and the DR Congo will experience a net outflow of remittances in 2043.
The Financial Flows scenario would have a relatively small effect on COMESA’s GDP per capita. As shown in Chart 45, the REC’s average GDP per capita would reach US$6,693 in 2043, US$130 higher than the Current Path forecast for the same year. This small 2% increase reduces the gap with Africa’s average GDP per capita to US$464 in 2043, down from the US$731 gap in 2019.

Seychelles and Mauritius do best (US$645 and US$620 respectively above the 2043 Current Path forecast) and Somalia and Burundi gain least (US$28 and US$15 respectively above the 2043 Current Path forecast). As with most of the scenarios, Malawi is expected to see the largest increase in GDP per capita in the Financial Flows scenario, experiencing a 6.6% increase in 2043, compared to the Current Path forecast. Ethiopia would see the smallest increase of just 0.9% above the Current Path forecast in 2043 given a much more rapid decline in foreign aid than for other COMESA members and lower levels of FDI, despite remittance inflows being high.
Trade openness will reduce poverty in the long term after initially increasing it due to the redistributive effects of trade. Most African countries export primary commodities and low-tech manufacturing products, and therefore a continental free trade agreement (AfCFTA) that reduces tariffs and non-tariff barriers across Africa will increase competition among countries in primary commodities and low-tech manufacturing exports. Countries with inefficient, high-cost manufacturing sectors might be displaced as the AfCFTA is implemented, thereby pushing up poverty rates. In the long term, as the economy adjusts and produces and exports its comparatively advantaged (lower relative cost) goods and services, poverty rates will decline.

In 2019, the average extreme poverty rate in COMESA was 35.4% (using US$1.90), representing 206.3 million people. It was highest at 76.7% in Burundi (8.5 million people). In the Current Path forecast, COMESA’s poverty rate is projected to decline to 18.8% by 2043 and to 17.9% in the Financial Flows scenario, a small decrease of 8.7 million people.

The scenario does little to reduce the poverty rates of multiple members of COMESA. Madagascar, which would see the largest increase in its government revenues, is projected to have a reduction of 3.3 percentage points by 2043 compared to the Current Path forecast, equivalent to 1.5 million fewer extremely poor people. Reductions in poverty rates broadly follow this trend, with Libya, Ethiopia and Mauritius all seeing low reductions in poverty rates and low increases in government revenues.
The Infrastructure scenario represents a reasonable but ambitious increase in infrastructure spending across Africa, focusing on basic infrastructure (roads, water, sanitation, electricity access and ICT) in low-income countries and increasing emphasis on advanced infrastructure (such as ports, airports, railway and electricity generation) in higher-income countries.

Note that health and sanitation infrastructure is included as part of the Health/WaSH scenario and that ICT infrastructure and more rapid uptake of renewables are part of the Leapfrogging scenario. The interventions there push directly on outcomes, whereas those modelled in this scenario increase infrastructure spending, indirectly boosting other forms of infrastructure, including that supporting health, sanitation and ICT.

The intervention is explained here in the thematic part of the website.

Electricity access is crucial for growth to occur, enabling more sophisticated and productive processes in urban and rural areas alike. It is a precondition to enable high speed connections to the Internet and to improve healthcare and education outcomes. COMESA’s total electricity access needs addressing, as its average was below Africa’s in 2019. In the Infrastructure scenario, COMESA is projected to overtake Africa’s Current Path forecast by 2034 and reach 75.6% in 2043,
In terms of rural access, COMESA is projected to increase its advantage over Africa from 2.1 percentage points in 2019 to 5.8 percentage points in 2043 along the Infrastructure scenario.

The Infrastructure scenario boosts all of COMESA’s members’ performance. Zambia will see the largest improvement, equivalent to 19% above the 2043 Current Path forecasts, helping it to gain ground on its lower-middle income peers. Other countries that also do well are Zimbabwe, Somalia and Burundi.

Electricity access rates in urban areas are high for most of COMESA’s members, with 17 of the 21 countries projected to have a rate above 80% in 2043 in the Infrastructure scenario. In rural areas however, access is lagging behind. Only nine members would have an access rate above 80% in 2043, while five would be below 50% in the Infrastructure scenario. Burundi and the DR Congo, with rates of 15.7% and 21.4% respectively, are particularly concerning cases.

Indicator 9.1.1 in the Sustainable Development Goals refers to the proportion of the rural population who live within 2 km of an all-season road and is captured in the Rural Access Index.

The Rural Access Index reflects urban–rural connectivity and the ease with which rural populations can access the benefits of larger markets and better services. COMESA’s average in the Rural Access Index was 54.3% in 2019, and the Infrastructure scenario helps to boost this figure to 63.9% by 2043, 2.2 percentage points higher than the Current Path forecast.
There is a wide disparity between COMESA's members, with Seychelles' Rural Access Index score being 96.7 in 2019, while both Uganda and the DR Congo had a score below 40. In the Current Path forecast, most of COMESA’s members would see a steady increase in their Rural Access Index score, with Mauritius’ 15 percentage point jump from its 2019 level to 2043 being the largest. The Infrastructure scenario helps to boost this increase further, adding 5.9 percentage points to Rwanda’s Current Path forecast in 2043, the largest increase of all COMESA’s members.

Similar to the Financial Flows scenario, the Infrastructure scenario would have a small effect on COMESA’s GDP per capita. As shown in Chart 49, the REC’s average GDP per capita would reach US$6,737 in 2043, US$174 higher than the Current Path forecast for the same year. This 2.7% increase narrows the gap with Africa’s average GDP per capita to US$420 in 2043, down from the US$731 gap in 2019.

Zambia is expected to see the biggest increase in GDP per capita along the scenario, potentially experiencing a 7.3% increase in 2043 compared to the Current Path forecast. Burundi and Mauritius would both only see increases of 0.9% above the Current Path forecast in 2043, the smallest among the REC’s members. Burundi’s small increase is problematic however, seeing as it had the lowest GDP per capita on the African continent in 2019.
In 2019, the average extreme poverty rate in COMESA was 35.4% (using US$1.90), representing 206.3 million people. It was highest at 76.7% in Burundi (8.5 million people) and lowest at 7.7% in Mauritius (0.1 million people). In the Infrastructure scenario, COMESA’s poverty rate is projected to be 1 percentage point lower in 2043 compared to the Current Path forecast, and it would be 3.1 percentage points lower than Africa’s average. This equates to a decrease of 9.4 million people in the extremely poor population in 2043.

Madagascar would once again see the biggest reduction in its poverty rate, with a decrease of 3.3 percentage points by 2043 compared to the Current Path forecast. Zambia would see the largest decrease among Africa’s lower middle-income countries at 3.1 percentage points by 2043. Both these countries see large improvements in improved access to water and sanitation in the Infrastructure scenario, an important prerequisite for improved health outcomes and increased labour productivity.
Governance scenario

The Governance scenario represents a reasonable but ambitious improvement in accountability and reduces corruption, and hence improves the quality of service delivery by government.

The intervention is explained here in the thematic part of the website.

As defined by the World Bank, government effectiveness ‘captures perceptions of the quality of public services, the quality of the civil service and the degree of its independence from political pressures, the quality of policy formulation and implementation, and the credibility of the government’s commitment to such policies’.

Chart 51 presents the impact of the interventions in the Governance scenario on government effectiveness.

The problem of corruption on the African continent has long been a drag on growth and development, stymying investment and hampering effective service delivery. Increasing governments’ abilities to responsibly serve their citizens remains a key aspect of addressing poverty on the continent. The average score for both Africa and COMESA in the World Bank’s government effectiveness score highlights the problem facing African countries. In 2019, both only scored 1.75 out of 5 in the index, 1.04 points below the average for the World without Africa. The Governance scenario helps COMESA to improve Africa’s average but still only manages to raise the REC’s score to 2.37 by 2043, 0.15 above Africa’s average.
Eritrea, the DR Congo and Somalia are the worst performing among COMESA members in government effectiveness in 2019. All will experience robust improvement in the Governance scenario. Eritrea would see a 17% improvement compared to the Current Path forecast level in 2043; the DR Congo would improve by 7% and Somalia by 9%. Mauritius and Seychelles will continue to rank as two of the top three countries for government effectiveness in Africa by 2043.

The Governance scenario would have a minimal effect on COMESA’s GDP per capita; the REC’s average GDP per capita would reach US$6,757 in 2043, US$194 higher than the Current Path forecast for the same year. This 3% increase modestly narrows the gap to Africa’s average GDP per capita to US$400 in 2043, down from a US$731 gap in 2019.

Rwanda is expected to see the largest increase in GDP per capita in the scenario, followed by Malawi, potentially experiencing a 4.5% and 4.4% increase respectively in 2043 compared to the Current Path forecast. The countries with the highest GDP per capita figures in the REC, Seychelles and Mauritius, would see the smallest increases of just 0.8% and 0.7% respectively above the Current Path forecast in 2043.
In 2019, the average extreme poverty rate in COMESA was 35.4% (using US$1.90), representing 206.3 million people. It was highest at 76.7% in Burundi (8.5 million people). Mirroring the modest improvement in the Infrastructure scenario, COMESA’s poverty rate is projected to be 1 percentage point lower in 2043 in the Governance scenario compared to the Current Path forecast and would be 3.1 percentage points lower than Africa’s average. It equates to a decrease of 9.3 million people in COMESA’s extremely poor population in 2043.

The Governance scenario has a limited impact on COMESA’s members’ poverty rates, as the scenario’s interventions do not focus on poverty alleviation directly but rather governments’ ability to implement change effectively. As such, the largest reduction, 2.3 percentage points by 2043 compared to the Current Path forecast for Madagascar is small compared to other scenarios. Indeed, half of the member countries see decreases below a per cent compared to the Current Path forecast in 2043.
Impact of scenarios on carbon emissions

This section presents projections for carbon emissions in the Current Path for COMESA and the 11 scenarios. Note that IFs uses carbon equivalents rather than CO₂ equivalents.

The scenarios help boost economic activity and growth in COMESA’s economies, which inevitably leads to greater emissions compared to the Current Path forecast. The Free Trade scenario results in the largest increase in emissions by 2043, followed by the Manufacturing/Transfers and Stability scenarios.

Interestingly, COMESA is projected to emit less carbon in the Leapfrogging scenario than in the Current Path forecast, even though the scenario ranks third for largest increases in GDP per capita, behind only the Stability and Free Trade scenarios. This shows the long-term benefits of investing in renewable energy sources, both for increased growth and reduced emissions.

The Stability scenario would boost GDP per capita considerably in multiple countries, such as Somalia and the DR Congo, and as such the scenario ranks high for increases in carbon emissions across COMESA’s member states. The Demographic scenario on the other hand ranks low for increases in emissions compared to the Current Path forecast, due to the associated decreases in population size.
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