



Africa in the World

Annex

Jakkie Cilliers

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Annex

First year for all interventions in 2026 unless indicated otherwise.			
Name	Description	Group	Intervention
<i>Divided World</i>			
carbtax	Carbon tax dollars/ton	World except Africa	10 years interpolate to 50 in 2036, maintain
gdsm	Government expenditure by destination multiplier (military)	World except Africa	10 years interpolate to 1.5 in 2036, maintain
goveffectm	Government effectiveness multiplier on quality	World except Africa	10 years interpolate to 0.95 in 2033
sfintlwaradd	State failure/internal war addition (probability)	World except Africa	10 years interpolate to 0.15 in 2033
<i>World at War</i>			
resorm	Resources of energy (fossil fuels) multiplier (oil)	World	In 2026 increase to 3 and maintain
resorm	Resources of energy (fossil fuels) multiplier (gas)	World	In 2026 increase to 3 and maintain
tfrm	Total fertility rate multiplier	World	10 year interpolate to 1.05 in 2035, maintain
protecm	Protectionism in trade, multiplier on import prices (total)	World	10 year interpolate to 1.2 in 2035, maintain
gdsm	Government expenditure by destination multiplier (military)	World	10 years interpolate to 10 in 2035, maintain

goveffectm	Government effectiveness multiplier on quality	World	10 years interpolate to 0.7 in 2035, maintain
govcorruptm	Government corruption multiplier	World	10 years interpolate to 0.6 in 2035, maintain
democm	Democracy level multiplier	World	10 years interpolate to 0.5 in 2035, maintain
sfintlwaradd	State failure/internal war addition (probability)	World	10 years interpolate to 0.8 in 2035
<i>Growth World</i>			
resorm	Resources of energy (fossil fuels) multiplier (oil)	World except Africa	In 2026 increase to 1.1, maintain
resorm	Resources of energy (fossil fuels) multiplier (gas)	World except Africa	In 2026 increase to 1.1, maintain
invm	Investment in economy (total)	World except Africa	10 years interpolate to 1.1 in 2035, maintain
protecsm	Protectionism in trade, multiplier on import process (total)	World except Africa	10 year interpolate to 0.9 in 2035, maintain
xsm	Exports multiplier (total)	World except Africa	10 years interpolate to 1.1 in 2035, maintain
firmtaxrm	Firm tax rate multiplier	World except Africa	10 years interpolate to 0.9 in 2035, maintain
econfreem	Economic freedom multiplier	World except Africa	10 years interpolate to 1.1 in 2035, maintain
	Various	Similar to intervention for Combined Agenda 2063 for African states	
<i>Sustainable World (scenario consists of the Combined Agenda 2063 scenario for Africa plus interventions for the World)</i>			

except Africa which are listed below)

qem-Q	Capital cost to output ratio in energy multiplier (other renewables)	World except Africa	10 years interpolate to 1.1 in 2035, maintain
tfrm	TFR multiplier	World except Africa	10 years interpolate to 0.9 in 2035, maintain
forestm	Forest protection multiplier	World except Africa	10 years interpolate to 1.005 in 2035, maintain
carbtax	Carbon tax dollars/ton	High-income economies	10 years interpolate to 200 in 2035, maintain
carbtax	Carbon tax dollars/ton	Upper middle-income economies	10 years interpolate to 150 in 2035, maintain
carbtax	Carbon tax dollars/ton	Lower middle-income economies	10 years interpolate to 100 in 2035, maintain
carbtax	Carbon tax dollars/ton	Low income economies	10 years interpolate to 50 in 2035, maintain
govhhtrnwelm	Government to household welfare transfers (unskilled)	World except Africa	10 years interpolate to 1.2 in 2035, maintain
hhtaxrm	Household tax rate multiplier (skilled)	World except Africa	10 years interpolate to 1.1 in 2035, maintain
gdsm	Government expenditure by destination multiplier (health)	World except Africa	10 years interpolate to 1.1 in 2035, maintain
gdsm	Government expenditure by destination multiplier (education)	World except Africa	10 years interpolate to 1.1 in 2035, maintain
aidon	Aid (foreign) donations as % of GDP percent	World except Africa	Stabilise at 2025 levels (0.13878)

firmtaxrm	Firm tax rate multiplier	World except Africa	10 years interpolate to 1.2 in 2035, maintain
goveffectm	Government effectiveness (quality) multiplier	World except Africa	10 years interpolate to 1.1 in 2035, maintain
govcorruptm	Government corruption multiplier	World except Africa	10 years interpolate to 1.1 in 2035, maintain

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About the authors

Dr Jakkie Cilliers is the ISS's founder and former executive director of the ISS. He currently serves as chair of the ISS Board of Trustees and head of the African Futures and Innovation (AFI) programme at the Pretoria office of the ISS. His 2017 best-seller *Fate of the Nation* addresses South Africa's futures from political, economic and social perspectives. His three most recent books, *Africa First! Igniting a Growth Revolution* (March 2020), *The Future of Africa: Challenges and Opportunities* (April 2021), and *Africa Tomorrow: Pathways to Prosperity* (June 2022) take a rigorous look at the continent as a whole.

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