Carbon3

AFRICA · 2026

The transition needs what Africa has. Africa needs what the transition pays for.

The continent holds 60% of the world's best solar resource and mines 76% of its cobalt. It emits about 4% of the world's CO_2 from fossil fuels and industry.

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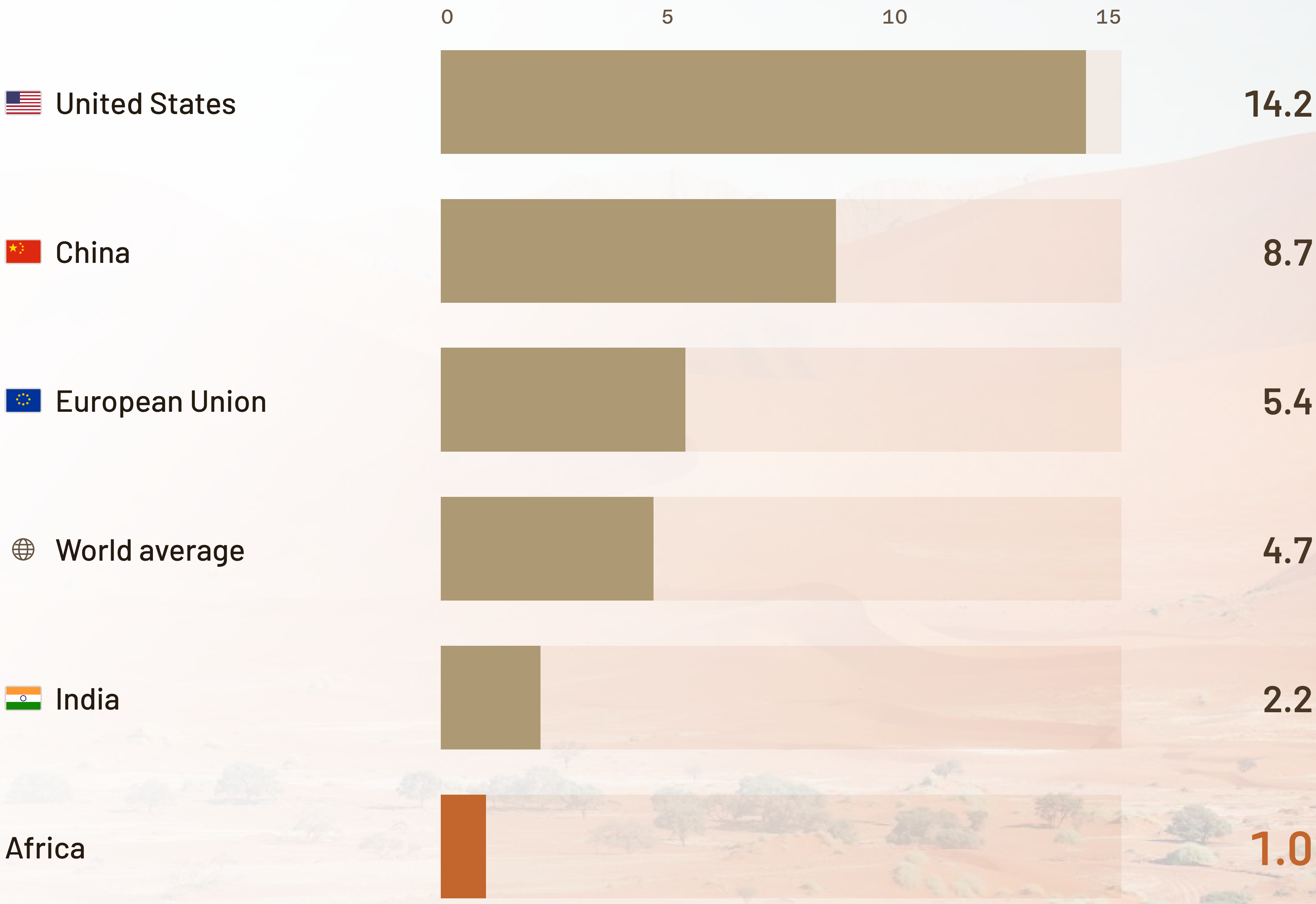
Data: IEA, USGS and IRENA

Africa emits 1.0 tonne of CO_2 per person. The world average is 4.7.

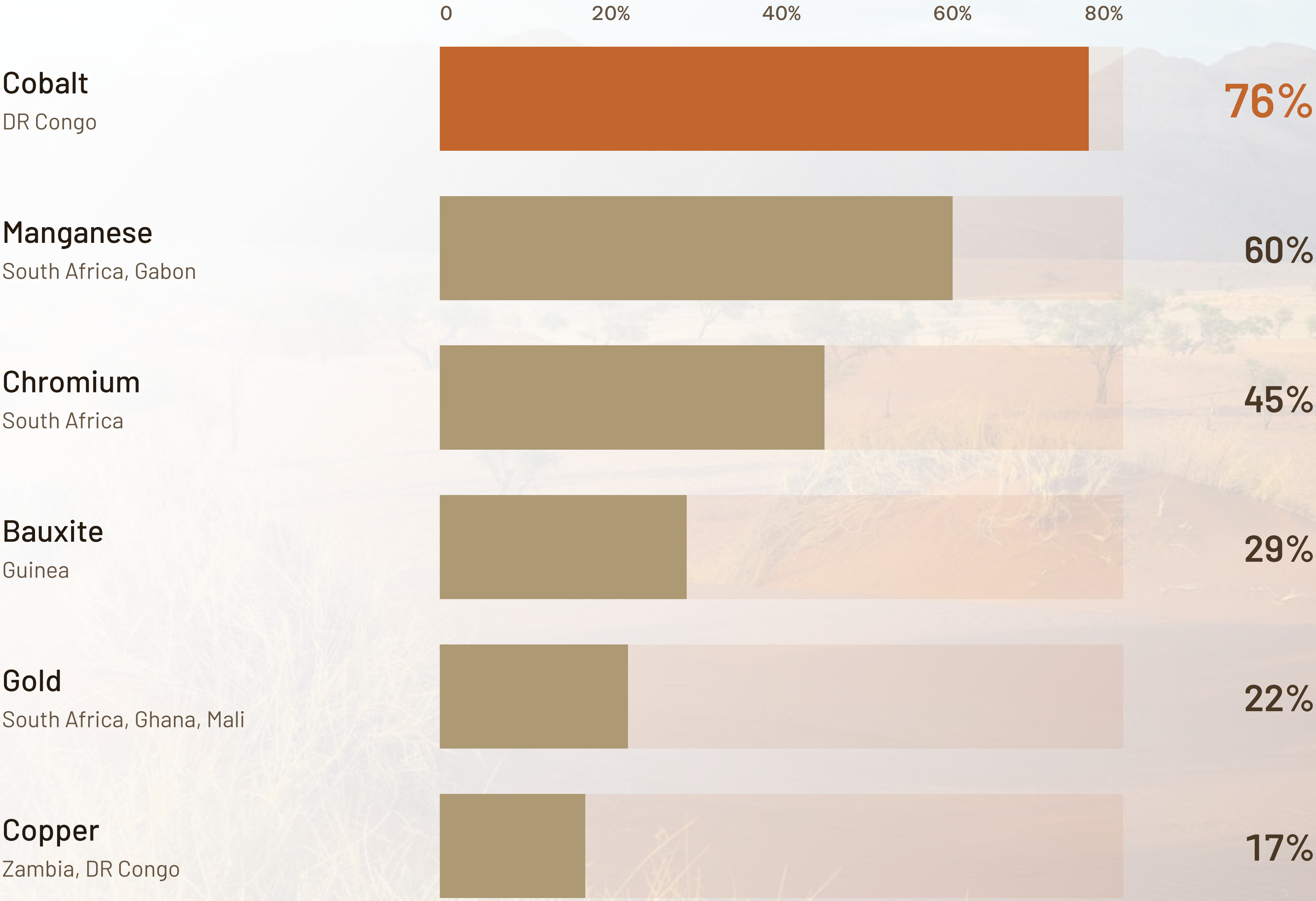
Tonnes of CO_2 per person, 2024



Territorial fossil CO_2. Source: Global Carbon Budget 2025; Our World in Data.

The DR Congo produces 76% of world cobalt supply

African share of world mine production, 2024



Africa also holds roughly 85% of world platinum-group reserves. Source: USGS Mineral Commodity Summaries 2025 (2024 production); PGM reserves per MCS 2026.

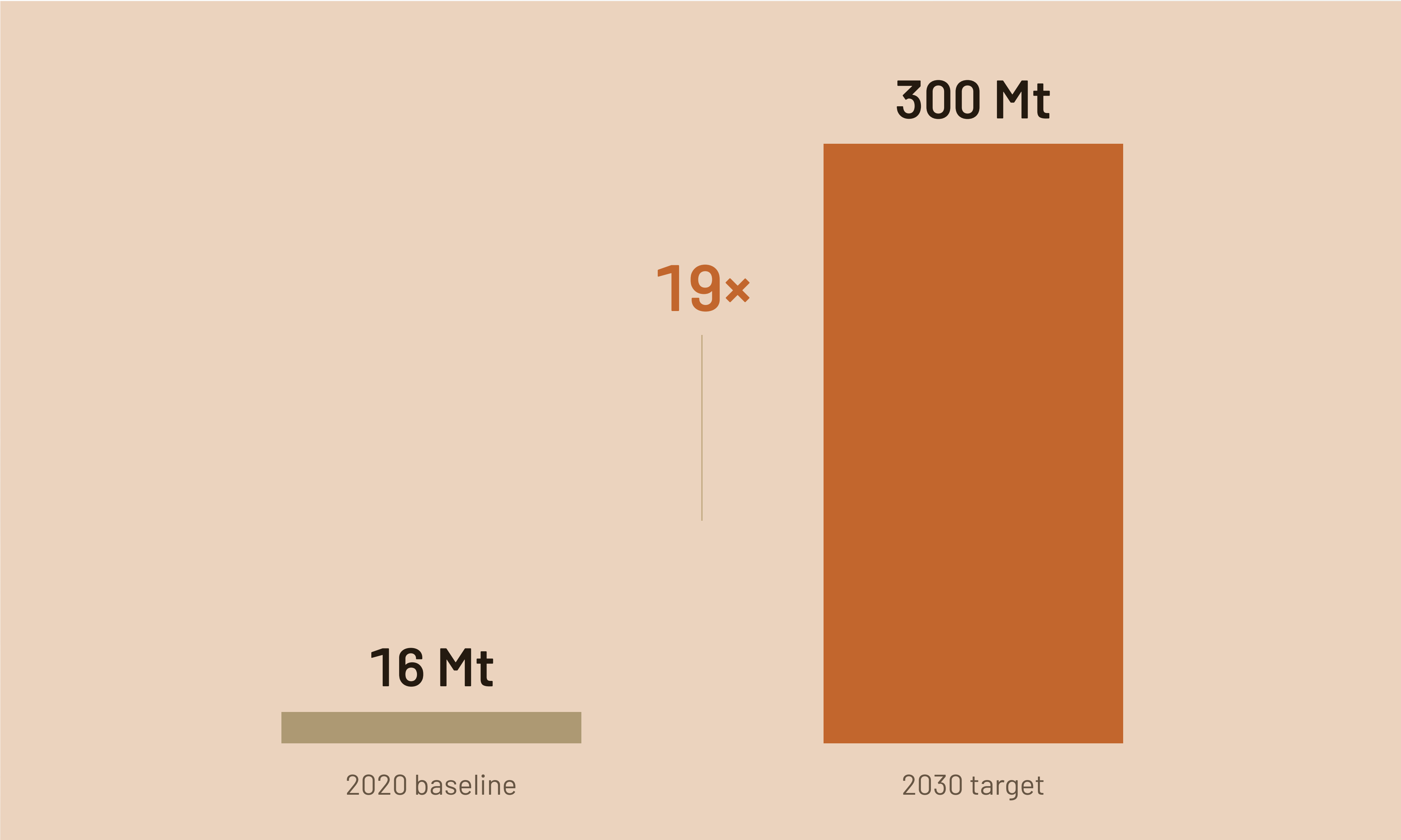
Africa has 60% of the world's best solar resource and under 1% of its installed solar

Share of the world total

Resource share: IEA, Africa Energy Outlook 2022. Capacity at end-2025: IRENA, Renewable Capacity Statistics 2026.

African carbon-credit retirements are targeted to rise 19-fold by 2030

Million tonnes of CO_2e retired a year



Voluntary-market ambition, not a Carbon3 forecast. Inset credits are cargo-bound and are not the offset retirements counted here. Source: Africa Carbon Markets Initiative, Roadmap Report, 2022.

Scope 3 investment could channel $1–2 billion a year into African industry by 2030

Annual inset revenue and green premiums flowing to African industries

$1–2 bn*

a year by 2030, as CBAM-style border rules and Scope 3 duties reach African industries supplying world markets. External buyers co-invest upstream and claim the independently verified cut. Scenario range: USD 0.5–4 bn.

GHANA, CÔTE D'IVOIRE

Cocoa agroforestry

Shade-grown cocoa insets for chocolate buyers.

KENYA

Geothermal power

Olkaria-anchored industry and data centres. A 2023 law sends 40% of carbon revenue to communities.

DR CONGO, ZAMBIA

Cobalt and copper

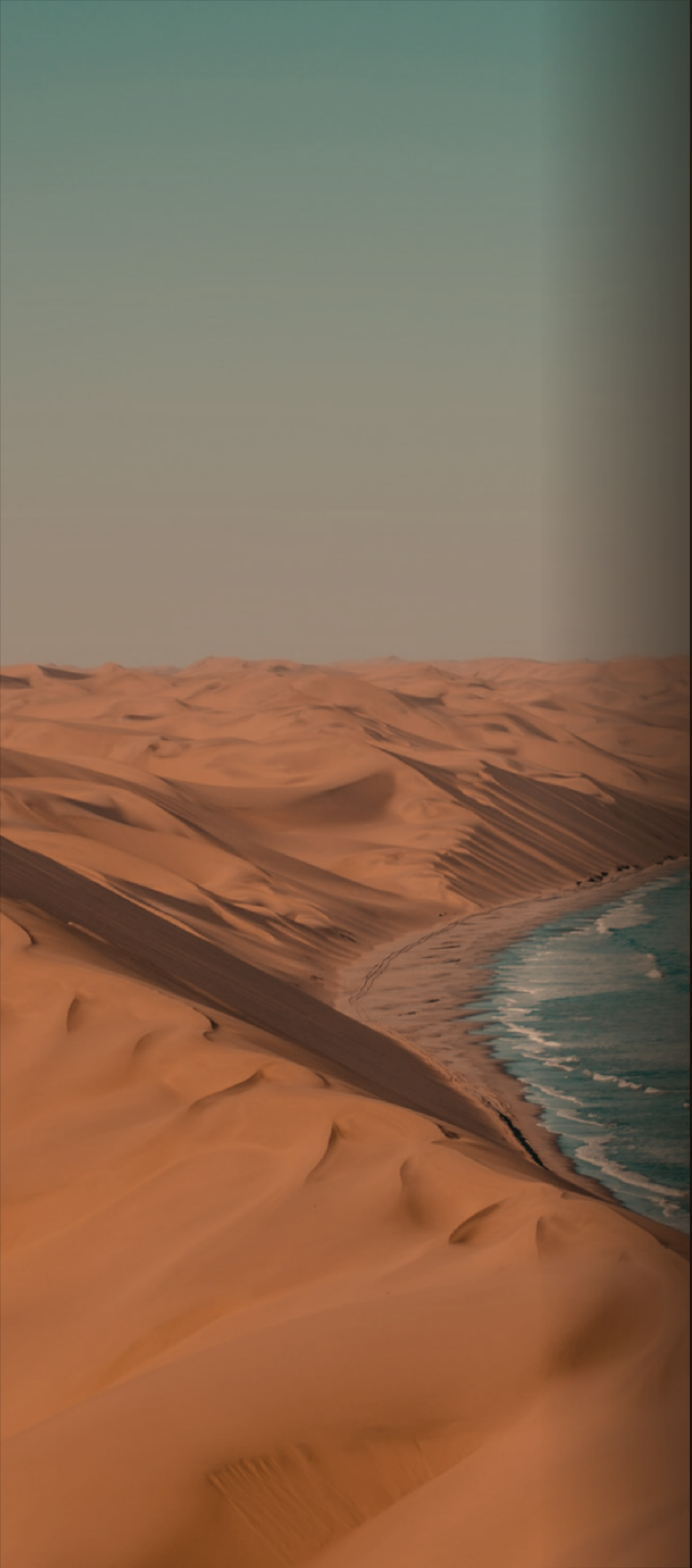
Renewable-powered mining for battery buyers.

EGYPT, NAMIBIA

Green ammonia

Export fuel for shipping and fertilizer.

* Carbon3 scenario, not a forecast: 50–70 $MtCO_2e$/yr of buyer-linked abatement at a blended USD 20–30/t. Includes positive-cost methane reduction in export oil and gas supply chains; excludes offsets and unrelated land-carbon claims.



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0.9%

of the world's installed solar sits on the continent that holds 60% of its solar resource, a share that has slipped as global capacity has grown faster.

Outside energy efficiency, Africa holds the lowest-cost abatement left. Insetting is how it gets financed.

Carbon3 unlocks external capital for national supply chains, de-risks the investment, and shares the independently verified Scope 3 benefit, tied to the supply chain it comes from. Development and decarbonisation, financed together.

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Sources: IEA, IRENA, USGS, Global Carbon Budget, ACMI.