

TRACKING SDG7: THE ENERGY PROGRESS REPORT

Lisbon, Portugal, May 2, 2018



A joint presentation of the custodian agencies



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Visit our website to get the full report as well as view and download all the underlying data:

<http://trackingSDG7.esmap.org>

Financing gratefully acknowledged from:



Energy Sector Management Assistance Program

ELECTRICITY



DESPITE ACCELERATING PROGRESS, THE WORLD IS STILL NOT ON TRACK TO REACH UNIVERSAL ELECTRIFICATION BY 2030

SDG 7.1.1 Electrification

Percentage of population with access to electricity



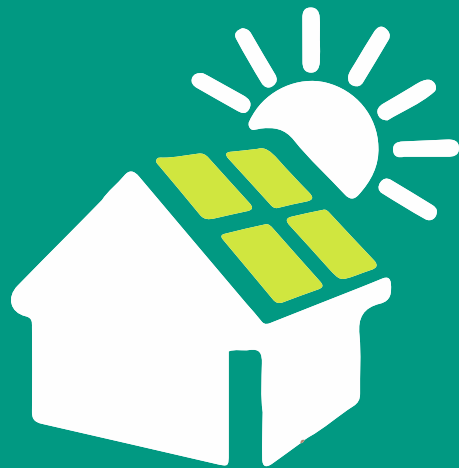
Source: World Bank



EXPONENTIAL GROWTH IN SOLAR ELECTRICITY IS STILL CONCENTRATED IN A SMALL GROUP OF COUNTRIES

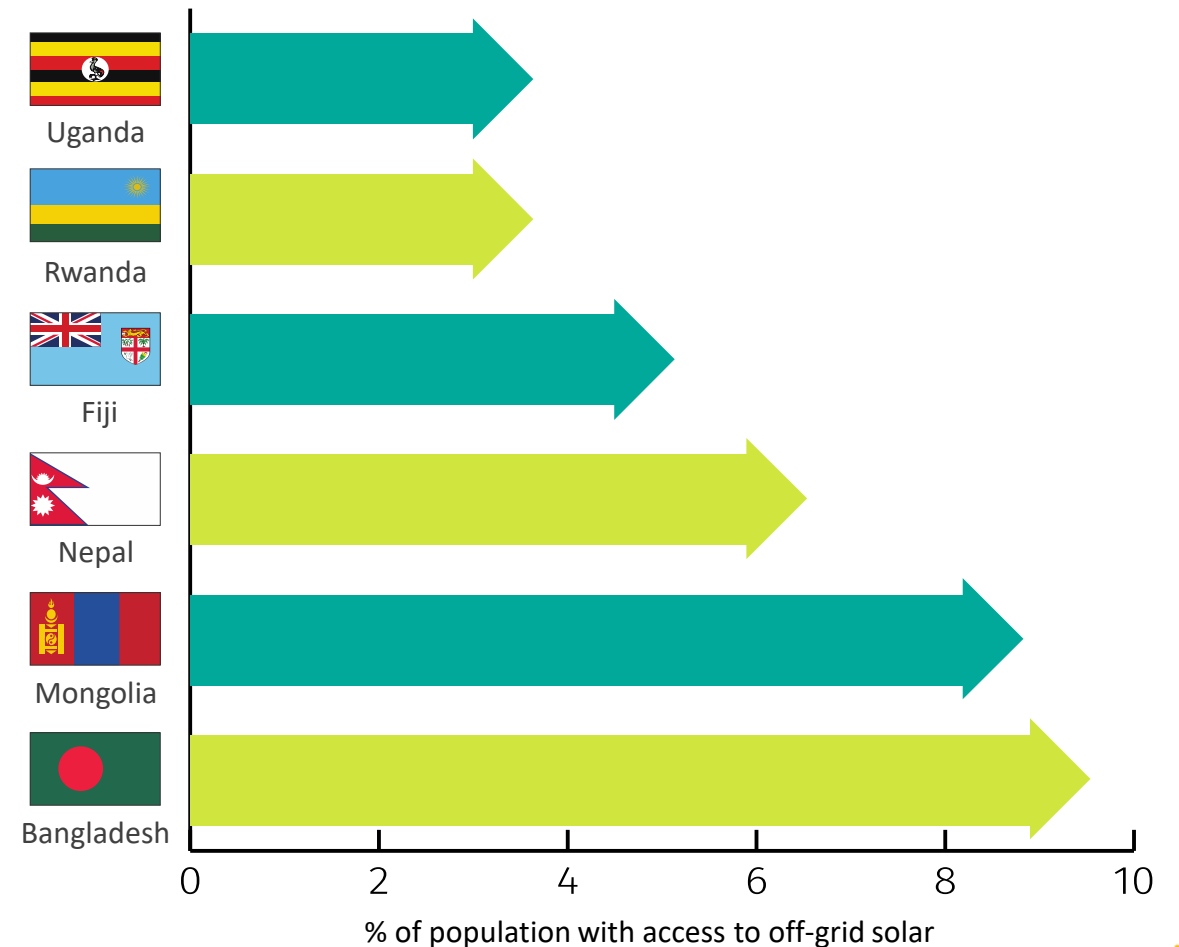
At least

30 million



people in the developing world have a solar home system

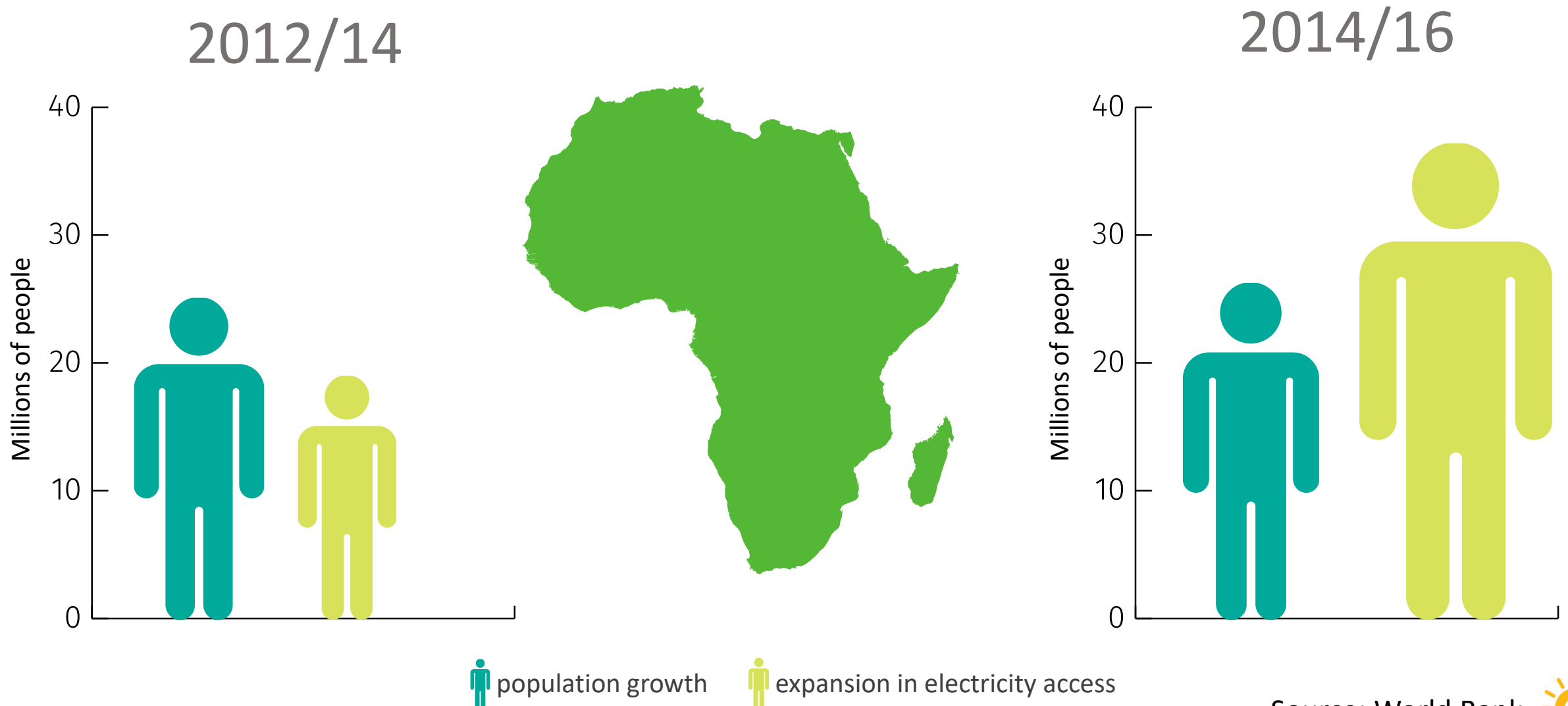
Top 6 countries with highest off-grid solar access rate (Tier 1 and above)



Source: IRENA



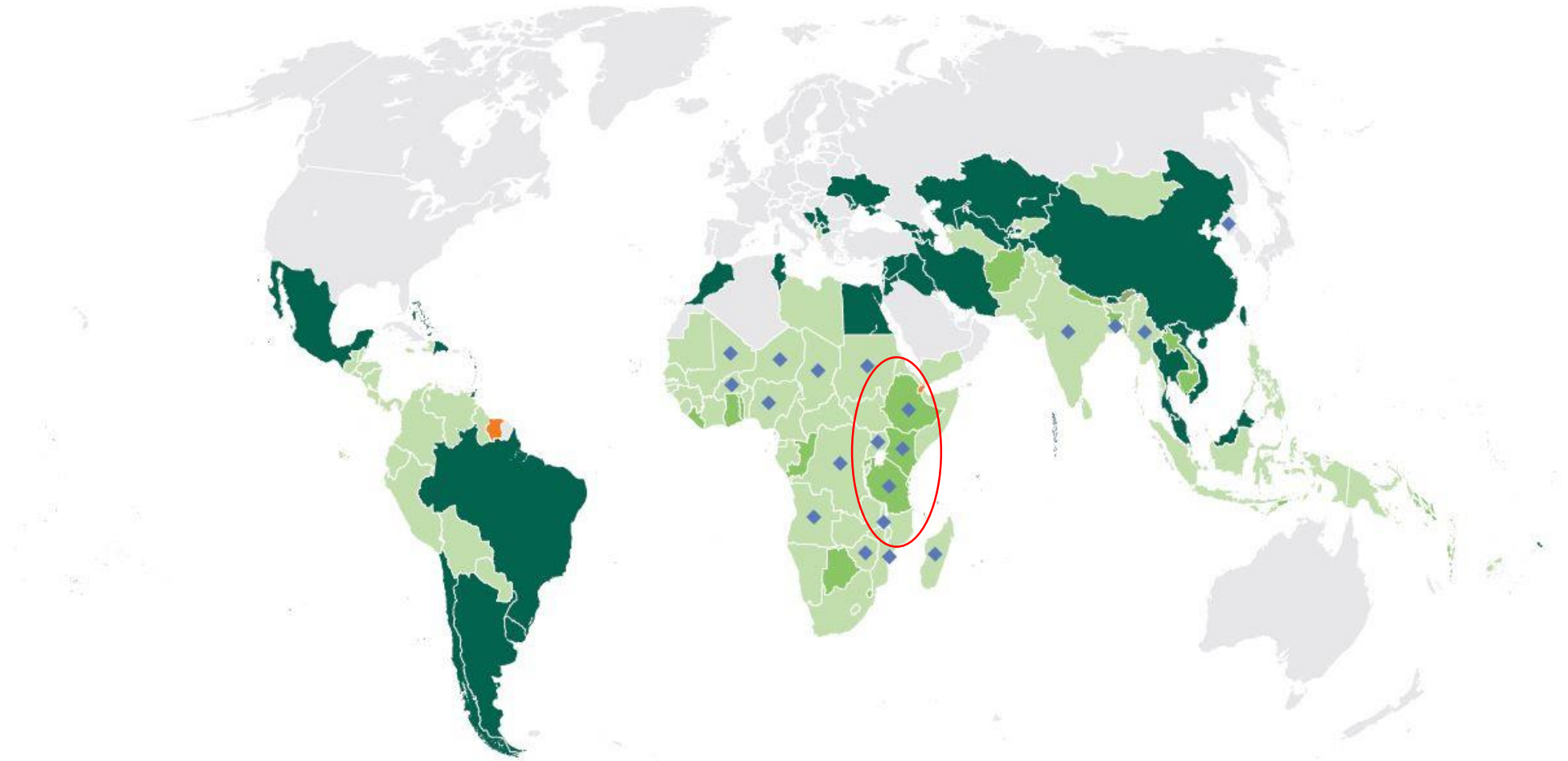
ALTHOUGH 1 BILLION PEOPLE STILL LACK ELECTRICITY WORLDWIDE, AFRICA'S ACCESS DEFICIT BEGAN TO FALL FOR THE FIRST TIME



Source: World Bank



A HANDFUL OF EAST AFRICAN COUNTRIES STAND OUT AS DRIVING AFRICA'S IMPROVED PERFORMANCE



- Achieved universal access between 2010-2016
- Annual access growth rate above 2 percentage points
- Annual access growth rate between 0 and 2 percentage points

- Annual access growth rate falling
- ◆ Top 20 Access Deficit Countries

Source: World Bank

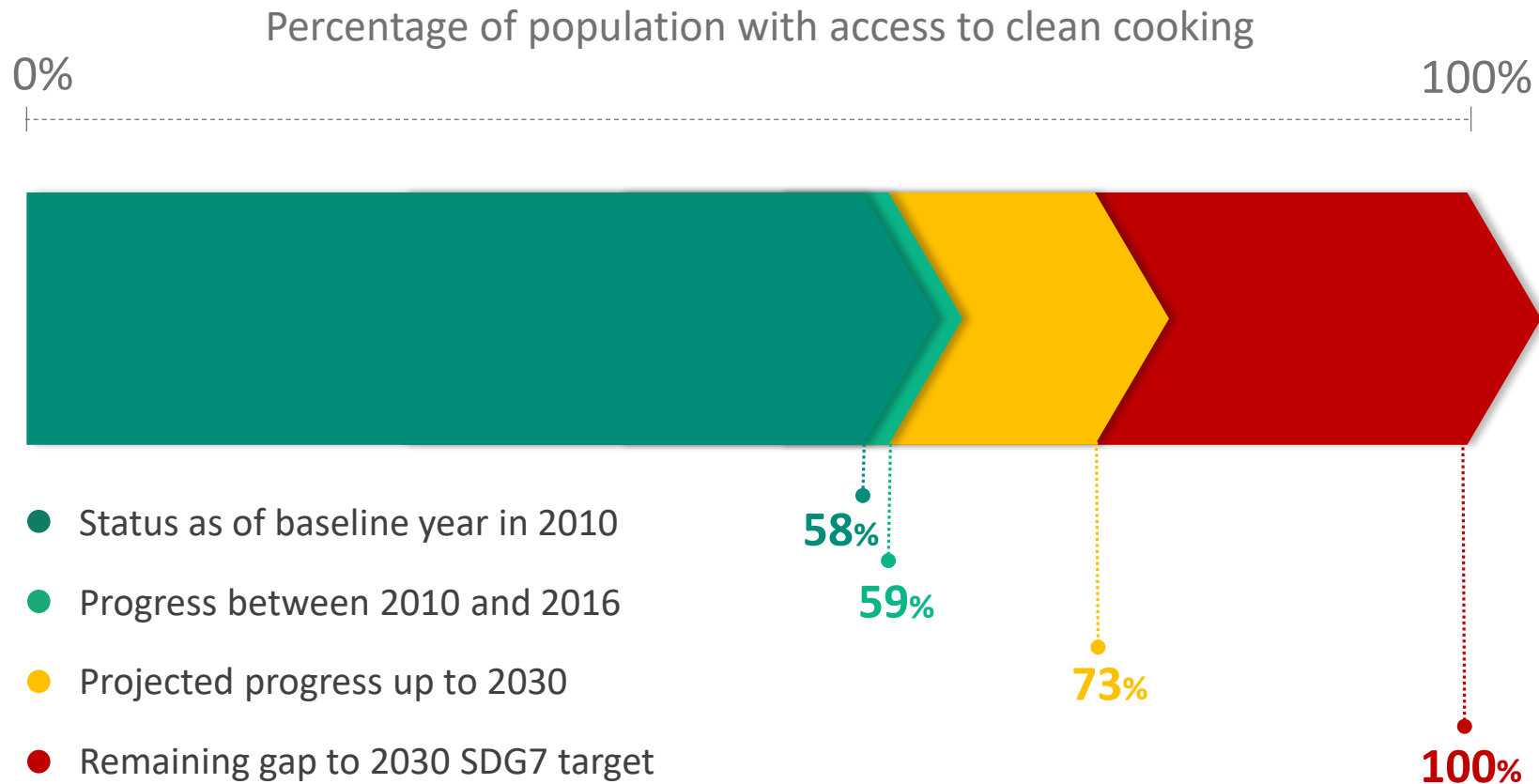


CLEAN COOKING



PROGRESS ON CLEAN COOKING REMAINS VERY SLOW, LEAVING THE 2030 TARGET EVER FURTHER OUT OF REACH

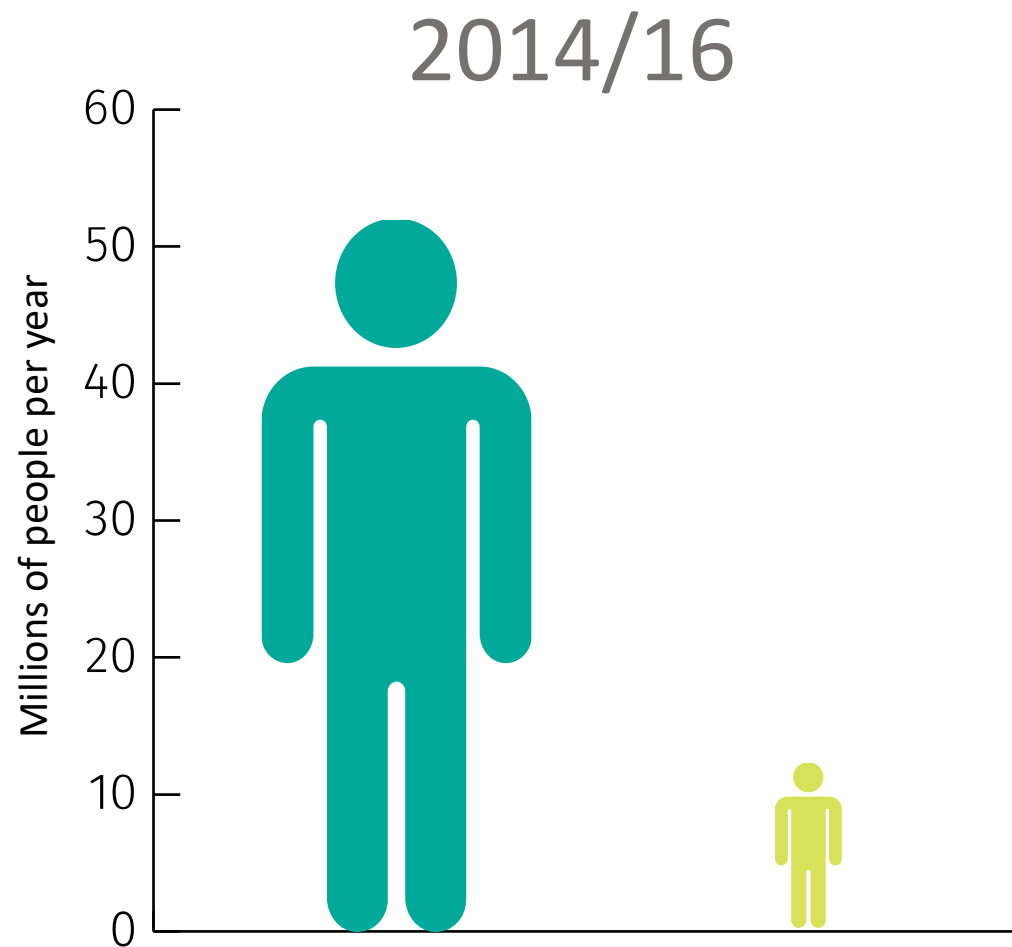
SDG 7.1.2 Clean Cooking



Source:⁹WHO



WITH 3 BILLION PEOPLE STILL LACKING ACCESS WORLDWIDE, AFRICA'S CLEAN COOKING DEFICIT CONTINUES TO GROW



Population growth

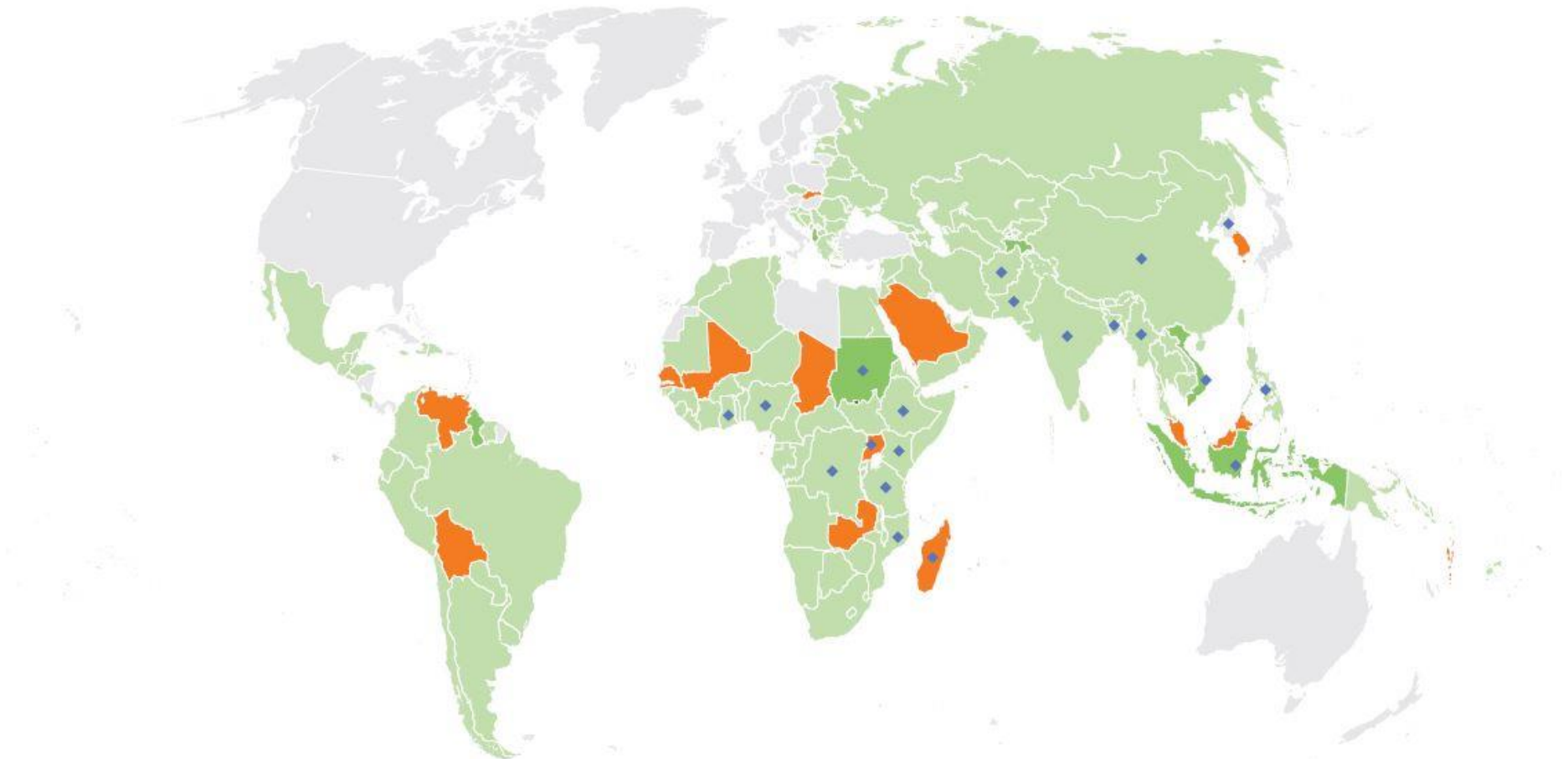


Expansion in access to clean cooking

Source: WHO



FEW COUNTRIES ARE MAKING RAPID PROGRESS, WHILE MANY HAVE SEEN ACCESS DECLINE SINCE 2010



- Annual access growth rate above 2 percentage points
- Annual access growth rate between 0 and 2 percentage points
- Annual access growth rate falling
- ◆ Top 20 Access Deficit Countries

Source: WHO



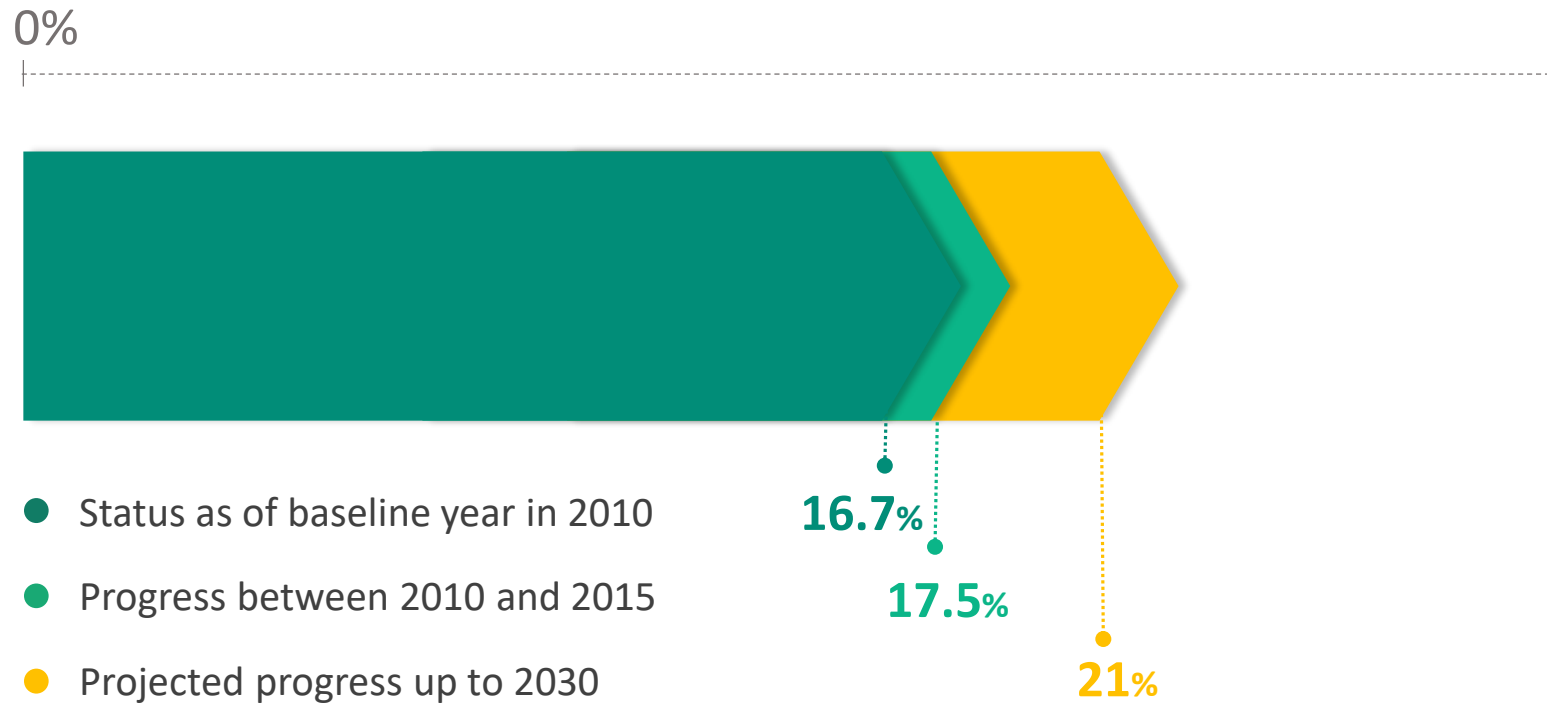
RENEWABLES



PROGRESS ON INCREASING GLOBAL RENEWABLE ENERGY SHARE REMAINS MODEST RATHER THAN SUBSTANTIAL

SDG 7.2 Renewable Energy

Percentage of renewable energy in total final energy consumption

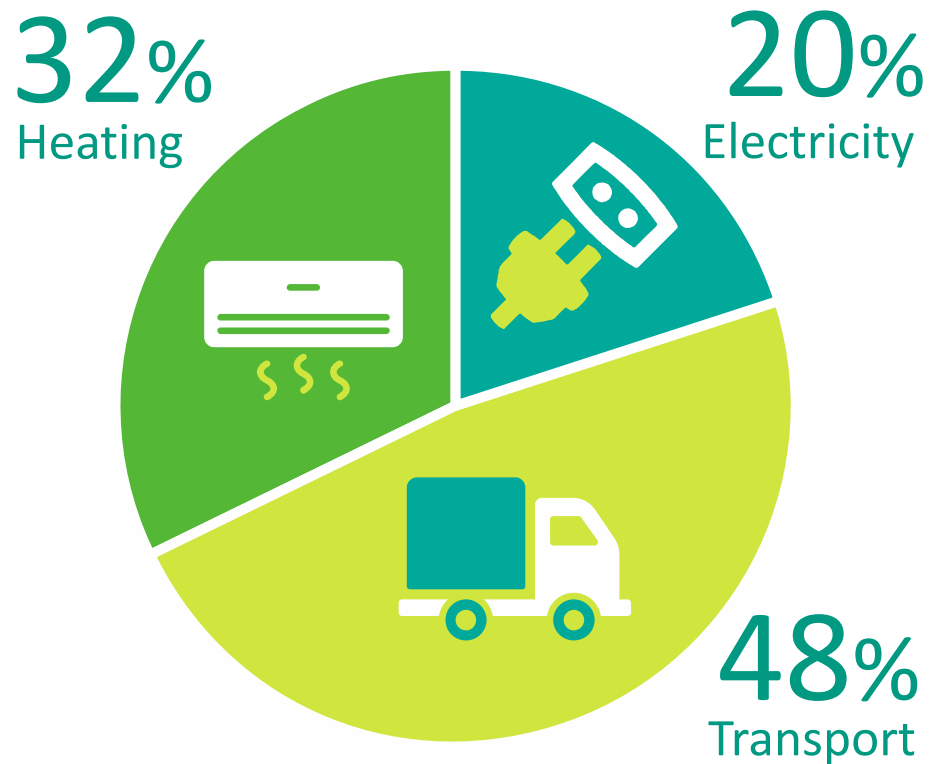


Source: IEA & UNSD

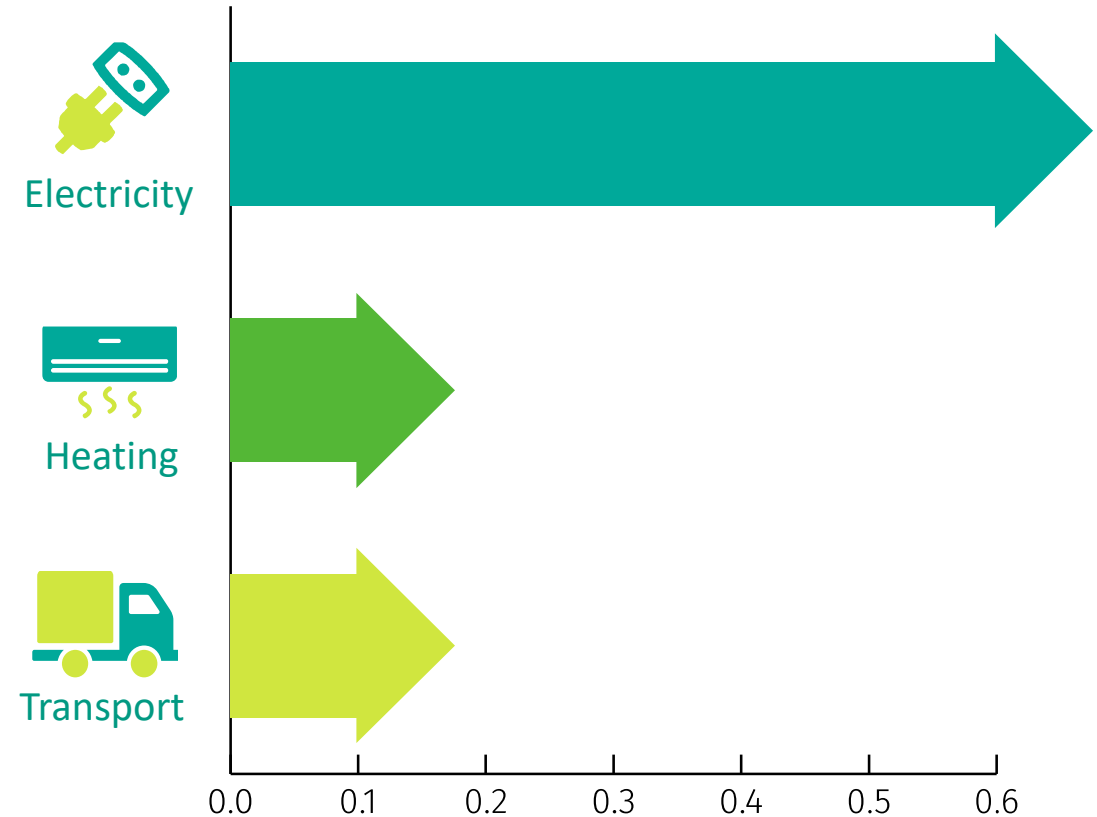


STRONG GROWTH IN RENEWABLE SHARE OF ELECTRICITY HAS YET TO BE MATCHED BY HIGHER CONSUMING TRANSPORT AND HEAT SECTORS

Share of total final energy consumption by end-use sector



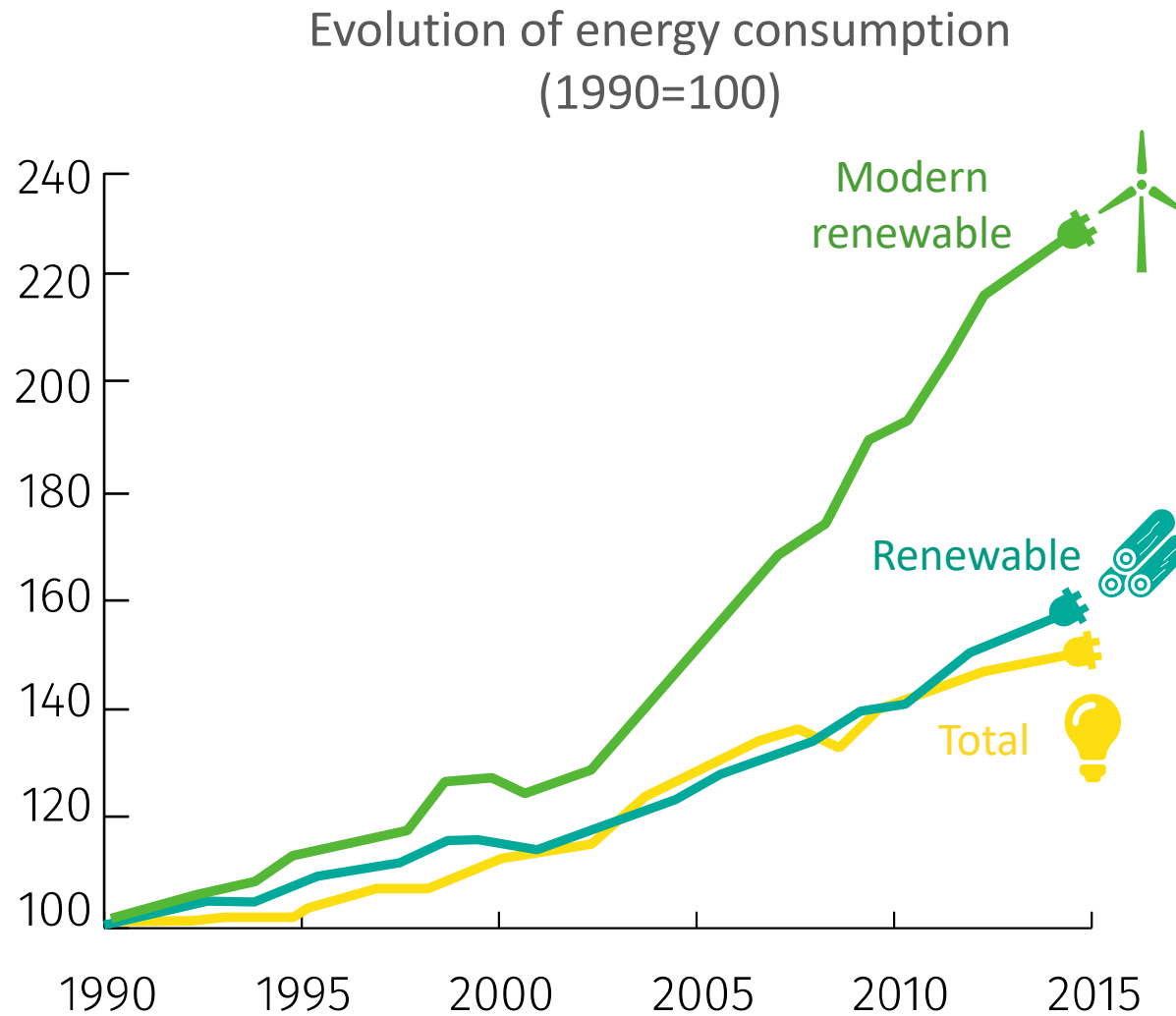
Average annual increase in renewable energy share by end-use sector (2010-15)



Source: IEA & UNSD



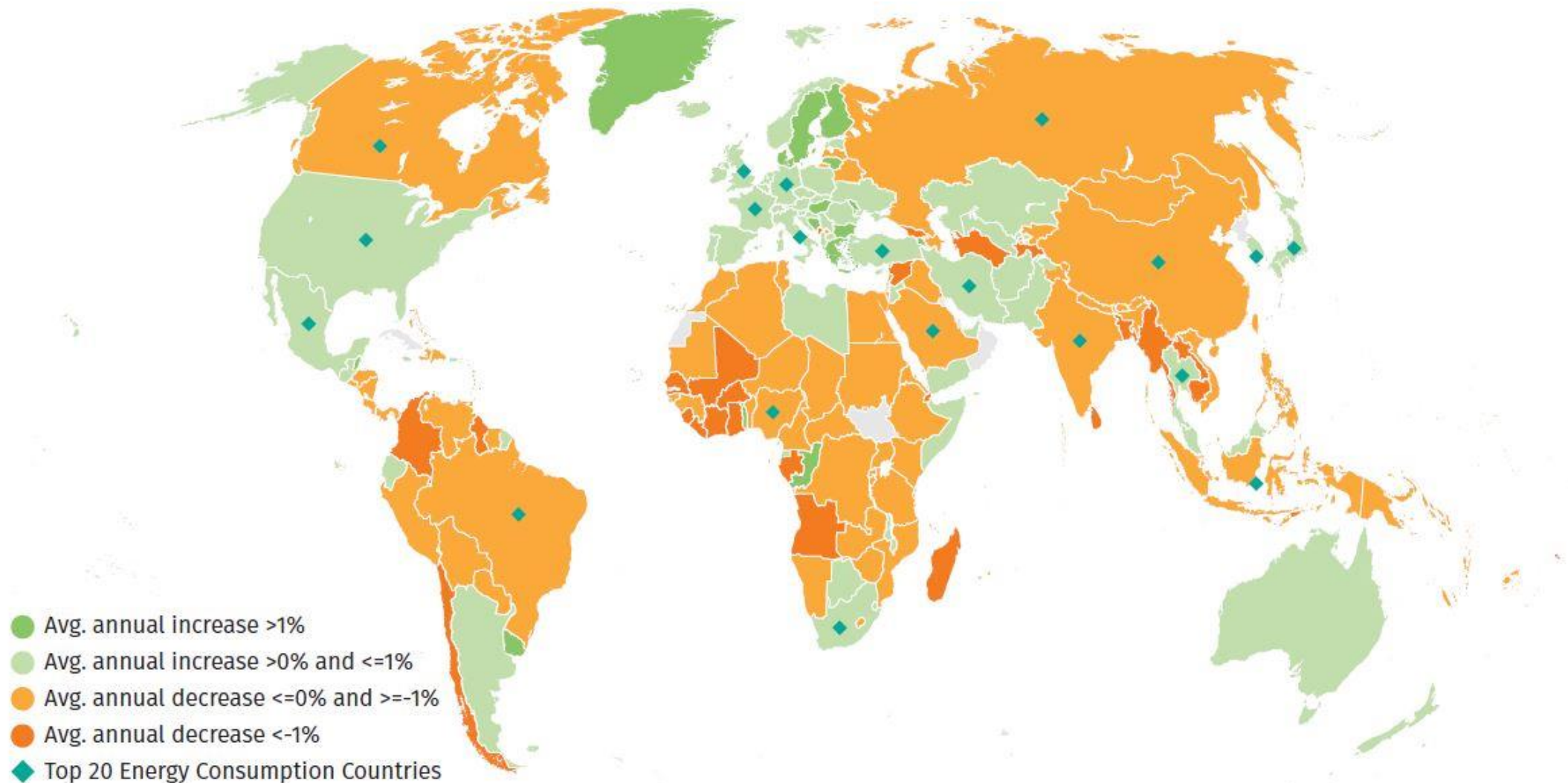
CHALLENGING FOR RENEWABLES TO KEEP PACE WITH GROWTH IN ENERGY CONSUMPTION, EXCEPT FOR MODERN RENEWABLES



Source: IEA & UNSD



MANY COUNTRIES HAVE SEEN THEIR RENEWABLE ENERGY SHARES FALL SINCE 2010, FEW ARE PROGRESSING RAPIDLY



Source: IEA & UNSD



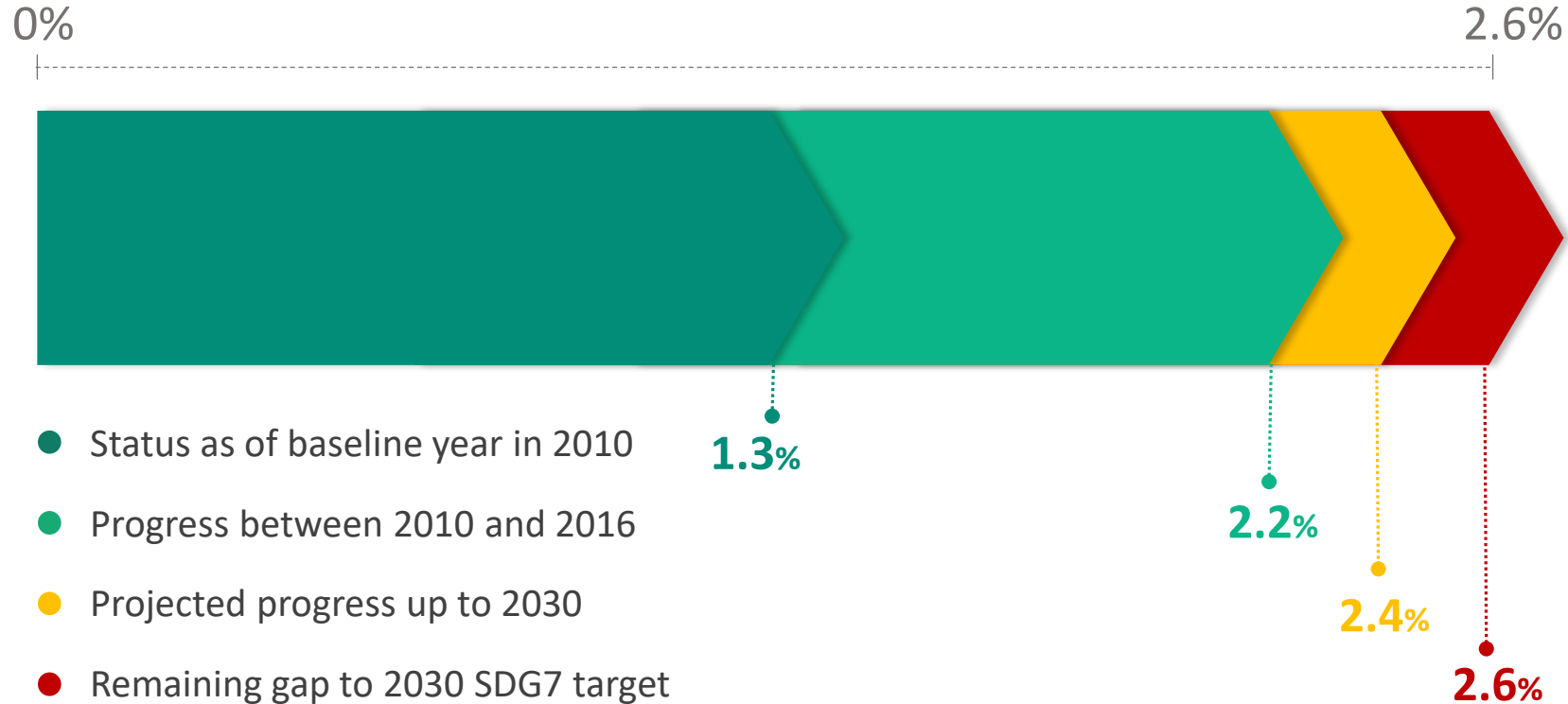
EFFICIENCY



PROGRESS ON REDUCING GLOBAL ENERGY INTENSITY HAS ACCELERATED SIGNIFICANTLY BUT STILL FALLS SHORT OF 2030 TARGET

SDG 7.3 Energy Efficiency

Compound annual growth rate of improvement in energy intensity

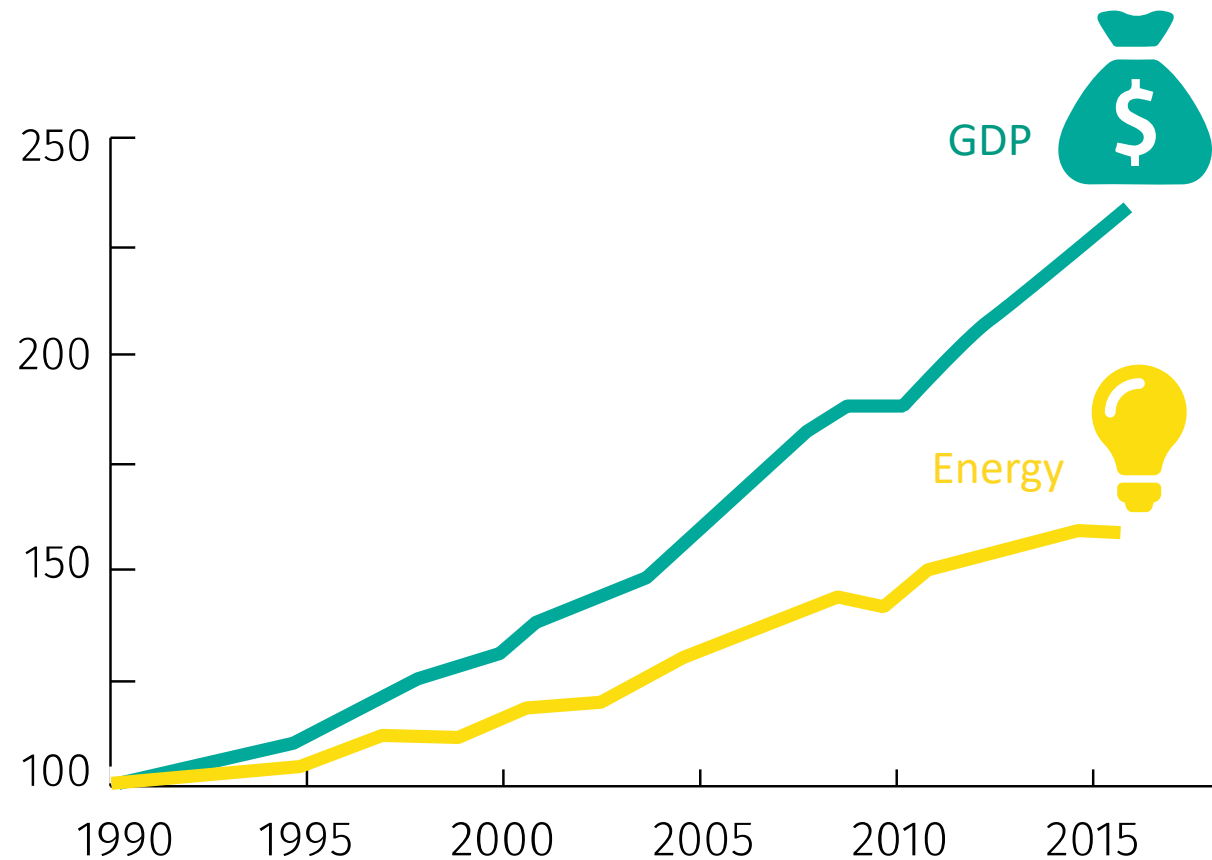


Source: IEA⁸ & UNSD



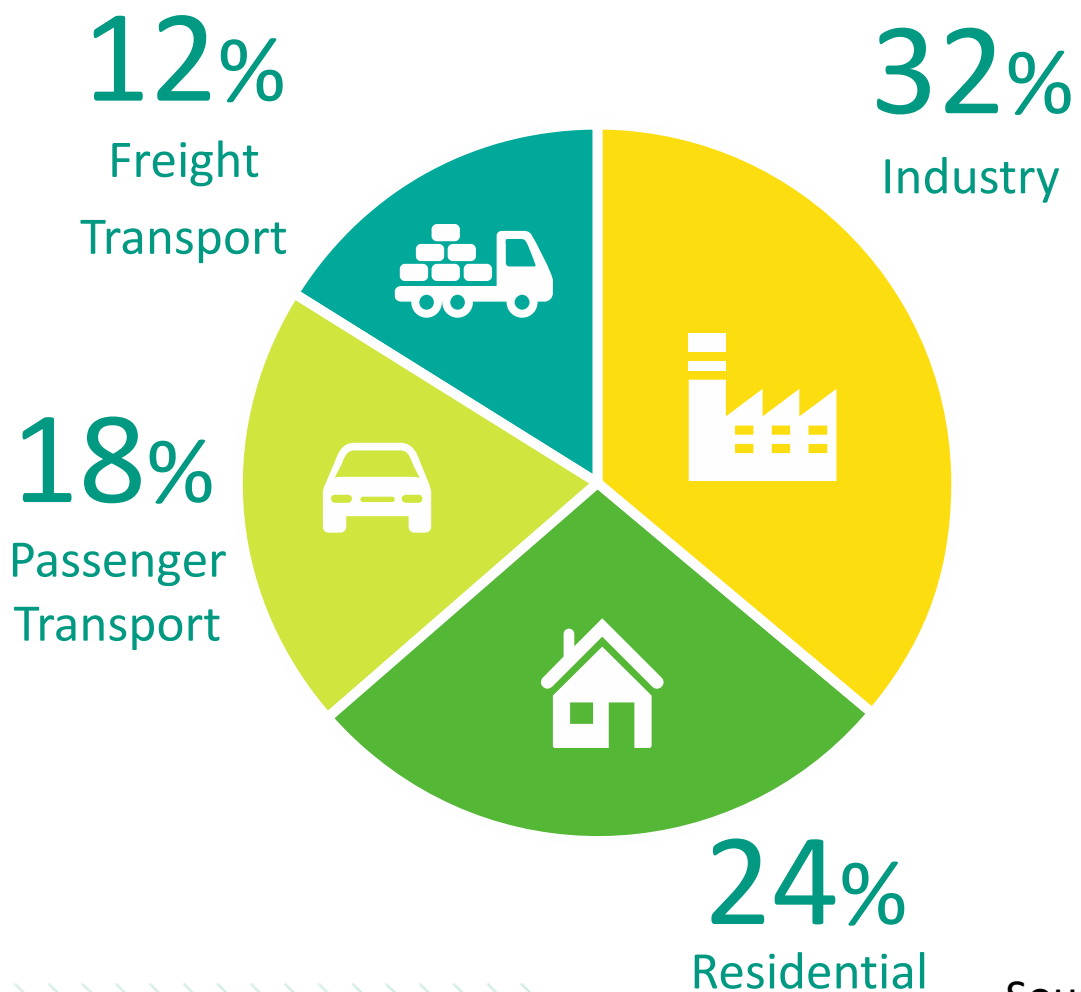
GLOBAL GDP GREW MUCH FASTER THAN TOTAL PRIMARY ENERGY SUPPLY, DEMONSTRATING THE EFFECT OF 'UNCOUPLING'

Evolution of GDP and energy use
(1990=100)

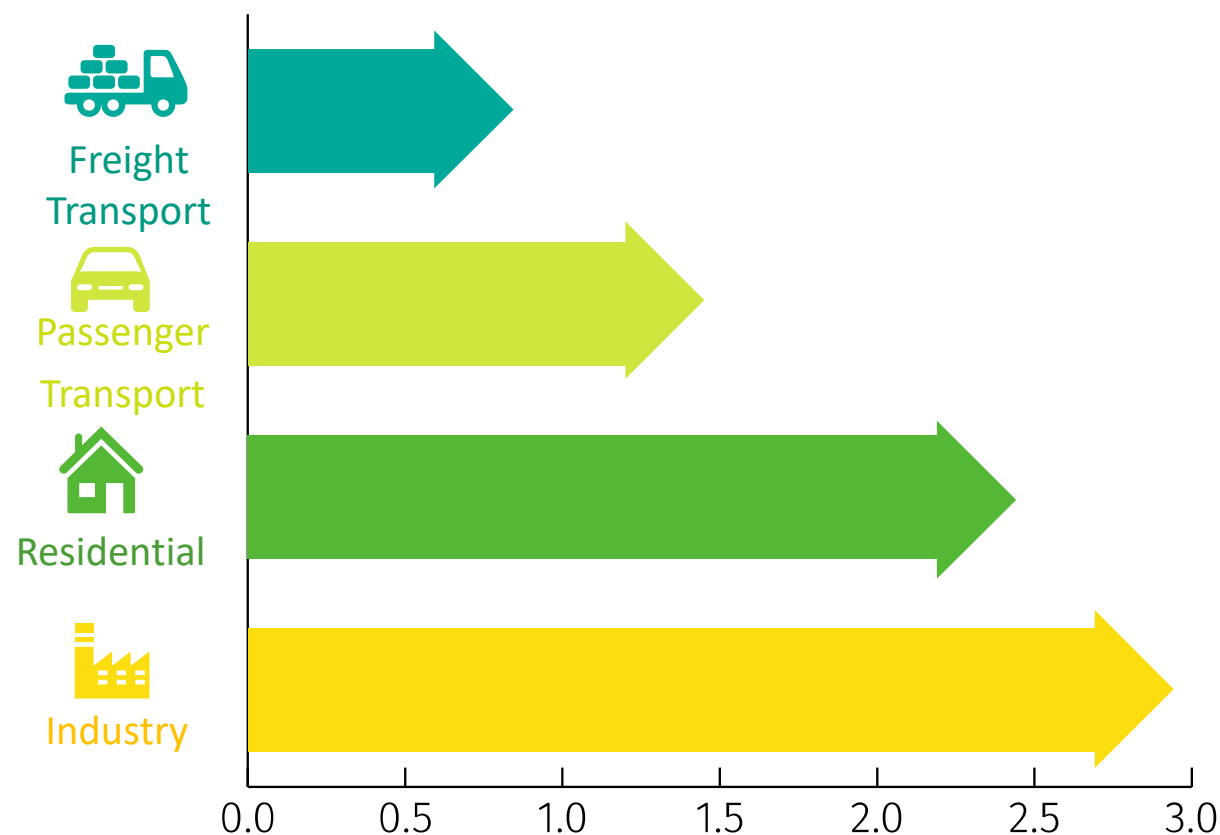


RAPID PROGRESS IN REDUCING INDUSTRIAL ENERGY INTENSITY NEEDS TO BE MATCHED IN OTHER KEY CONSUMING SECTORS

Share of total final energy consumption by end-use sector



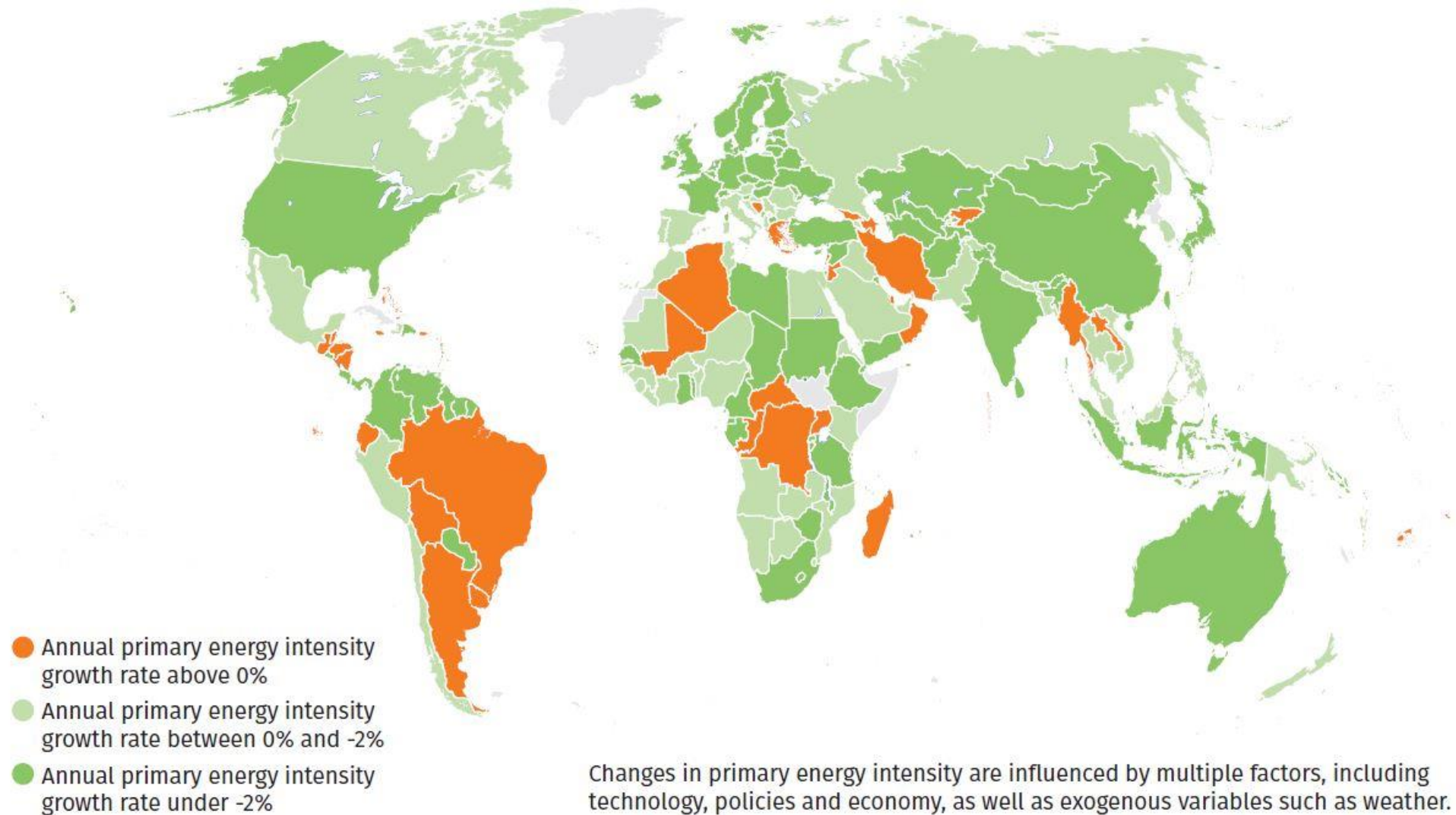
Improvement in energy intensity by end-use sector (2010-15)



Source: IEA & UNSD



ENERGY INTENSITY IS FALLING RAPIDLY IN MANY COUNTRIES, BUT CONTINUES TO RISE IN A SIGNIFICANT SUBSET



Changes in primary energy intensity are influenced by multiple factors, including technology, policies and economy, as well as exogenous variables such as weather.

Source: IEA & UNSD

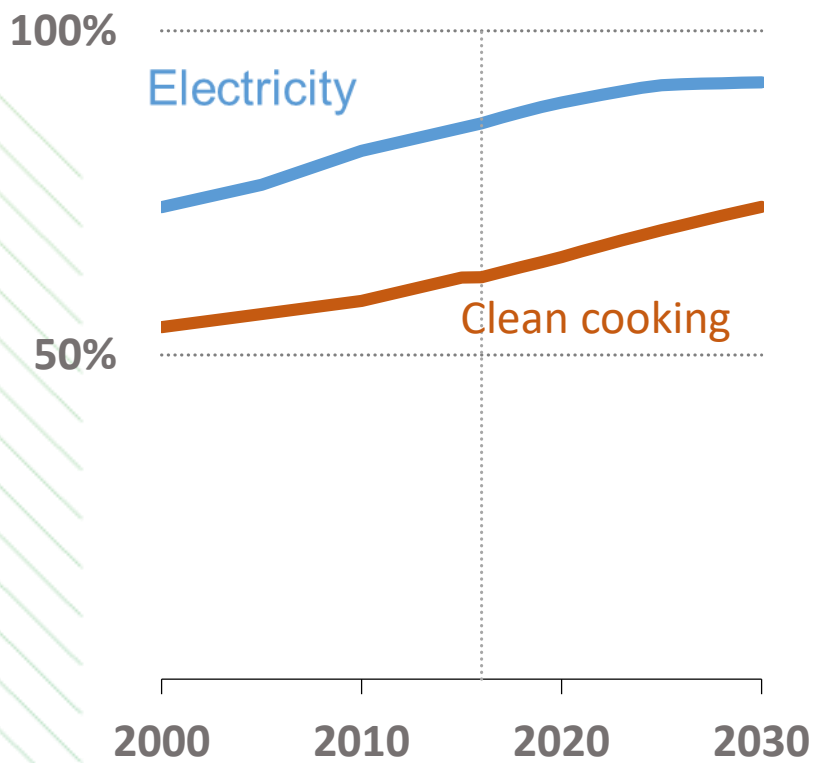


PROJECTIONS

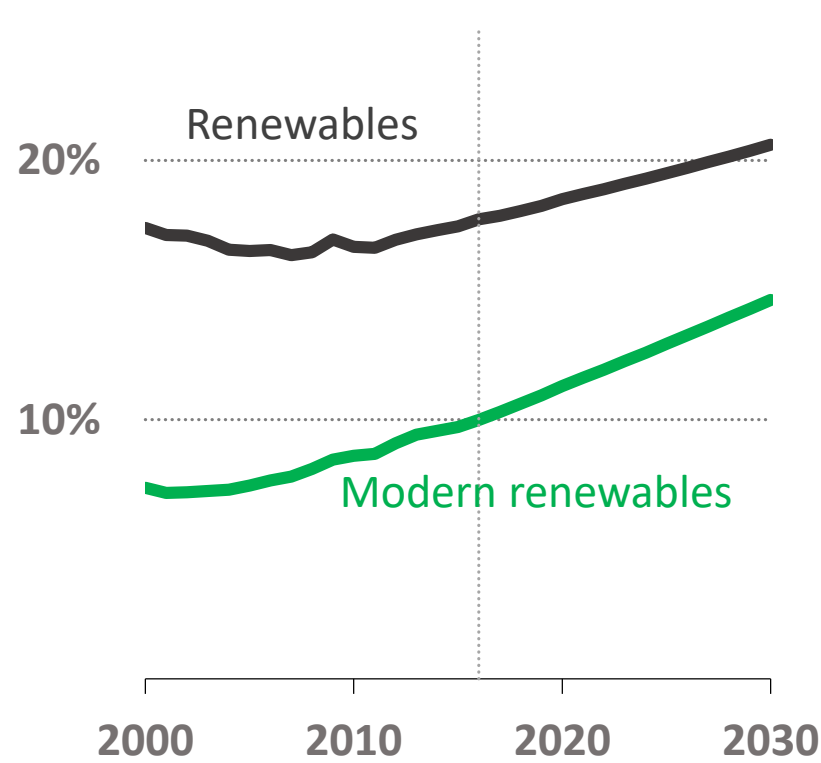


UNDER CURRENT AND PLANNED POLICIES, THE WORLD FALLS SHORT OF ACHIEVING ALL SDG 7 TARGETS

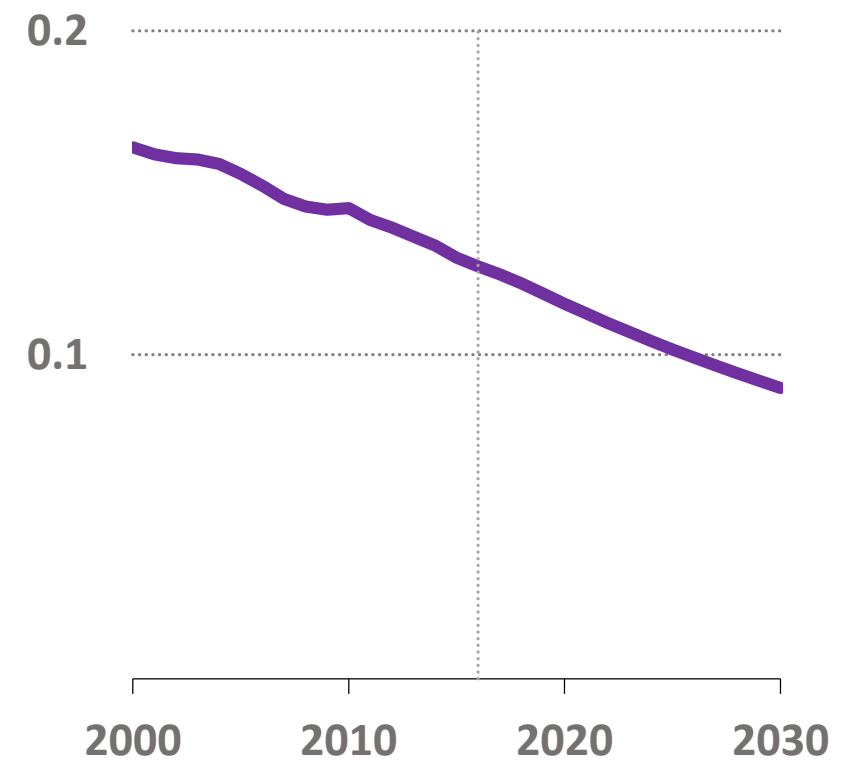
SDG 7.1: Energy access



SDG 7.2: Renewable energy

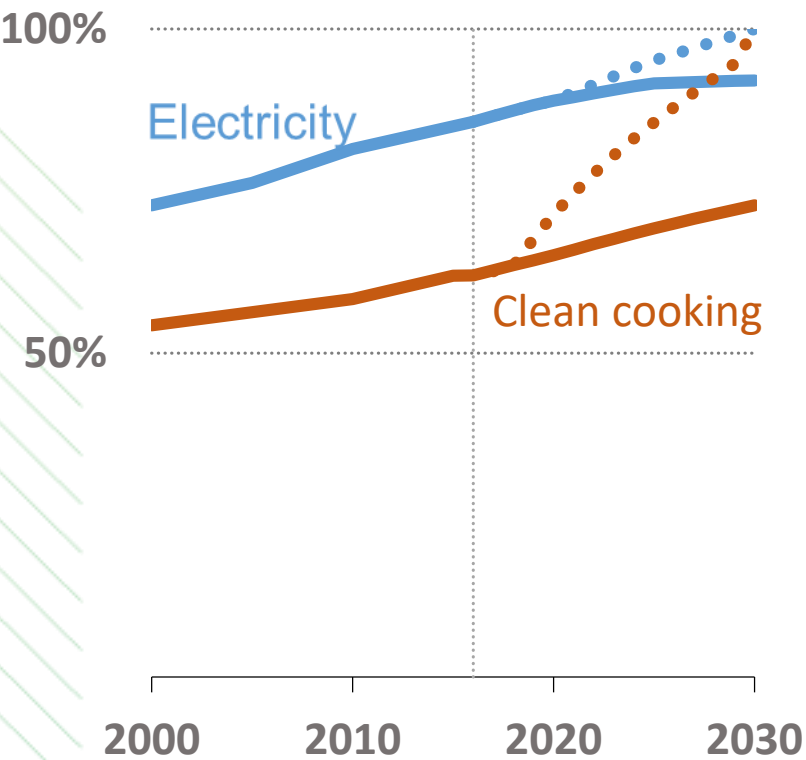


SDG 7.3: Energy intensity

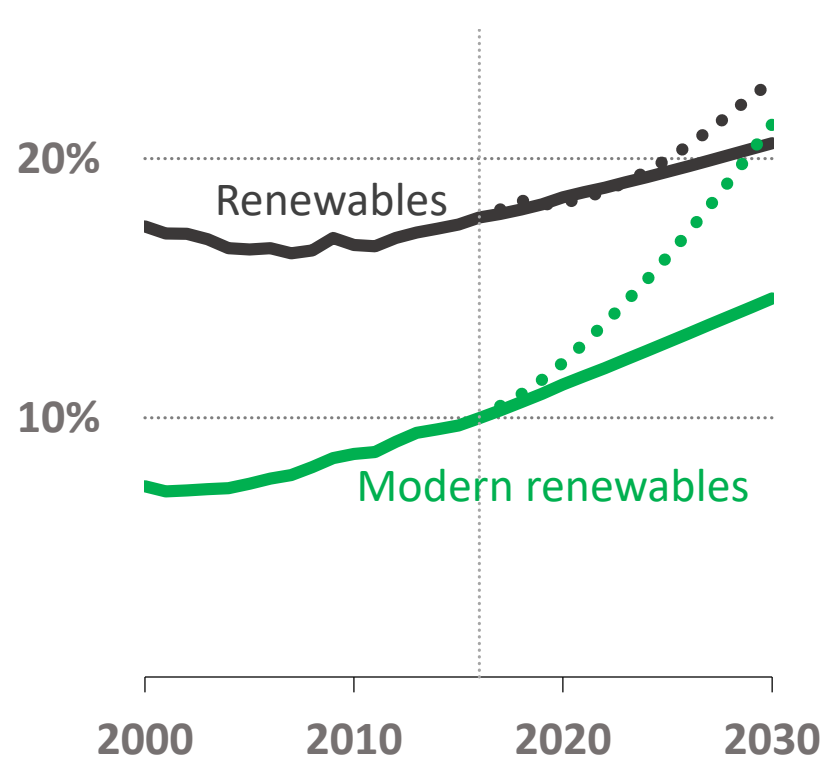


AMBITIONS NEED TO ACCELERATE TO ACHIEVE ALL GOALS

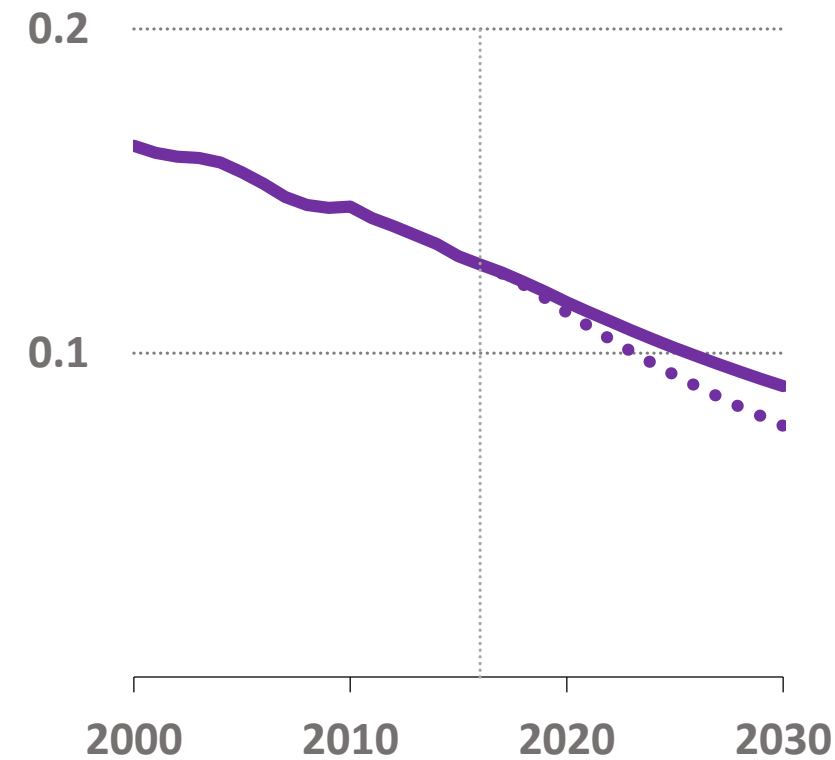
SDG 7.1: Energy access



SDG 7.2: Renewable energy



SDG 7.3: Energy intensity



Source: IEA World Energy Outlook, 2017

The IEA's Sustainable Development Scenario maps an integrated path to energy for all, mitigating climate change & reducing local air pollution

