



50
YEARS

Empowered lives. Resilient nations.

UNDP'S WORK ON SUSTAINABLE ENERGY

UNDP IN ACTION

As of February 2016



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Resilient nations.

CURRENTLY

262 sustainable
energy projects



Being implemented
or developed in

111
countries



with over **US\$ 1 billion**
in grant financing

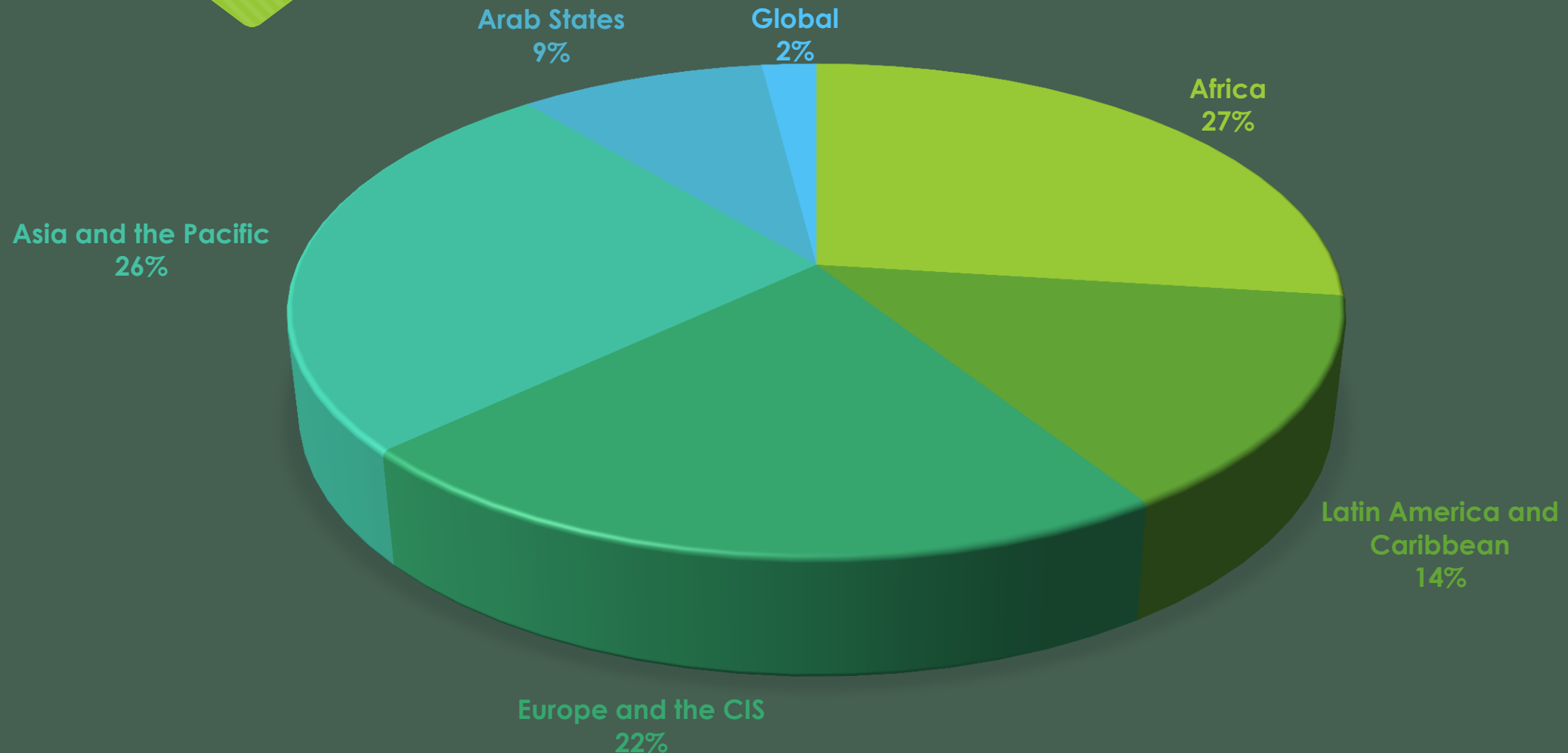


and **US\$ 5.7 billion**
in co-financing

Portfolio breakdown of projects by region – Total 262 projects (2016)



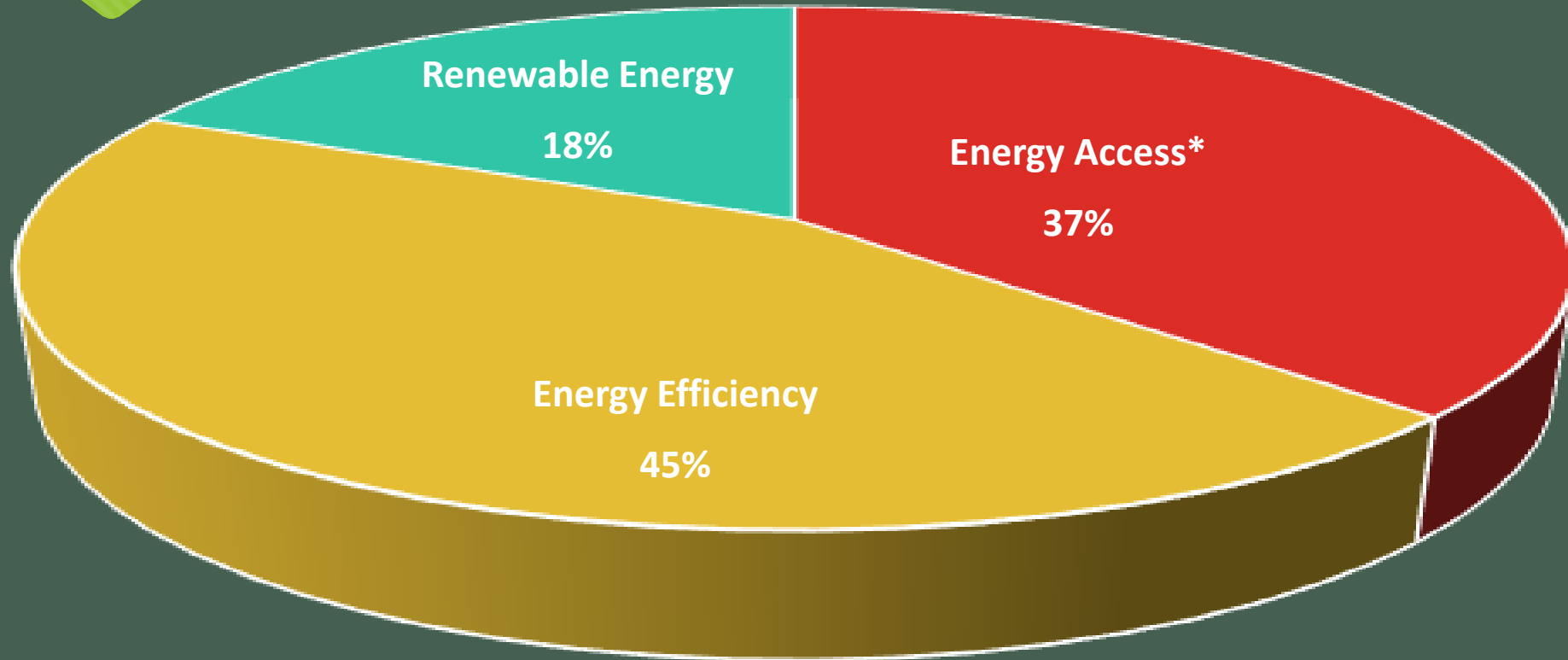
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Portfolio breakdown of projects by Thematic Area (2016)



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**Out of the 97 energy access projects, 88 projects (90.7%) are renewable energy based energy access projects.*

UNDP's Current Energy Projects per Region 2016



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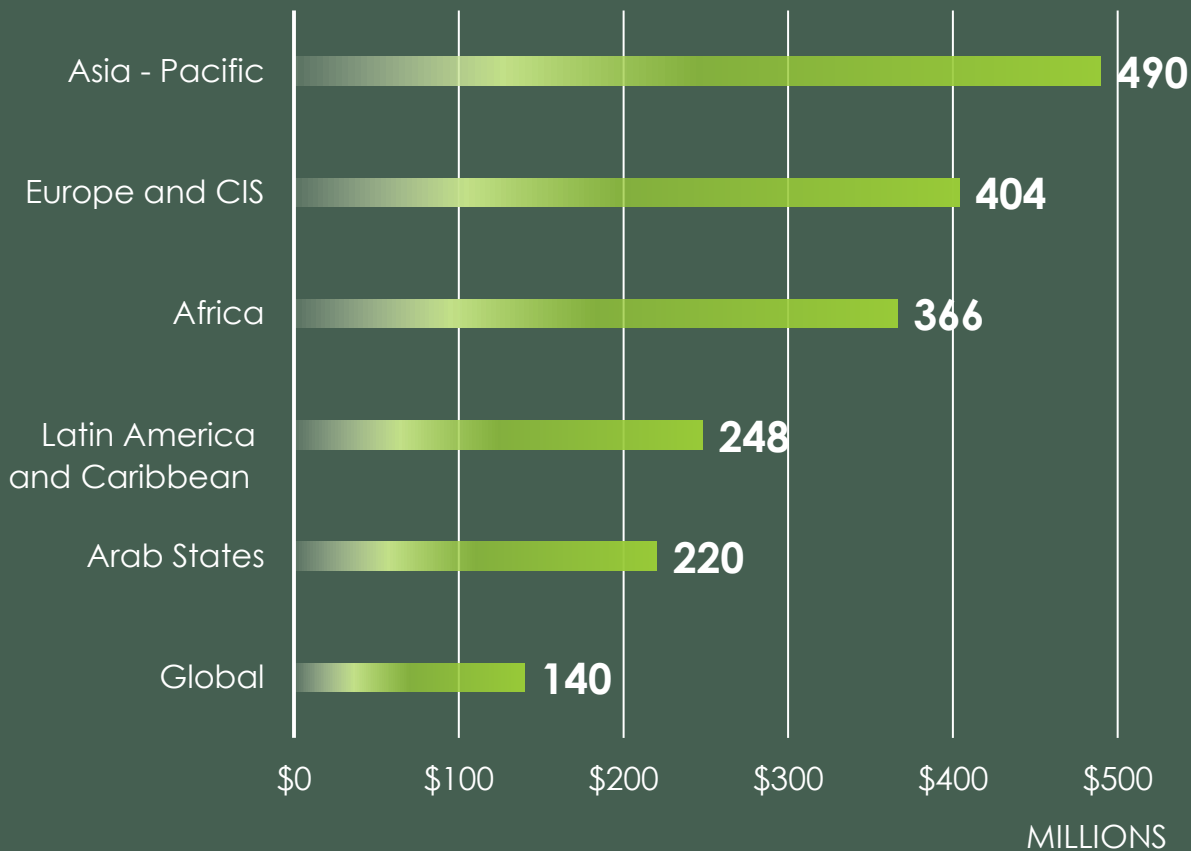


UNDP's Total Investment in Sustainable Energy between 2000 - 2015



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UNDP's Sustainable Energy investment over the past 16 years by region



Over the past **16 years**,
UNDP invested a total of



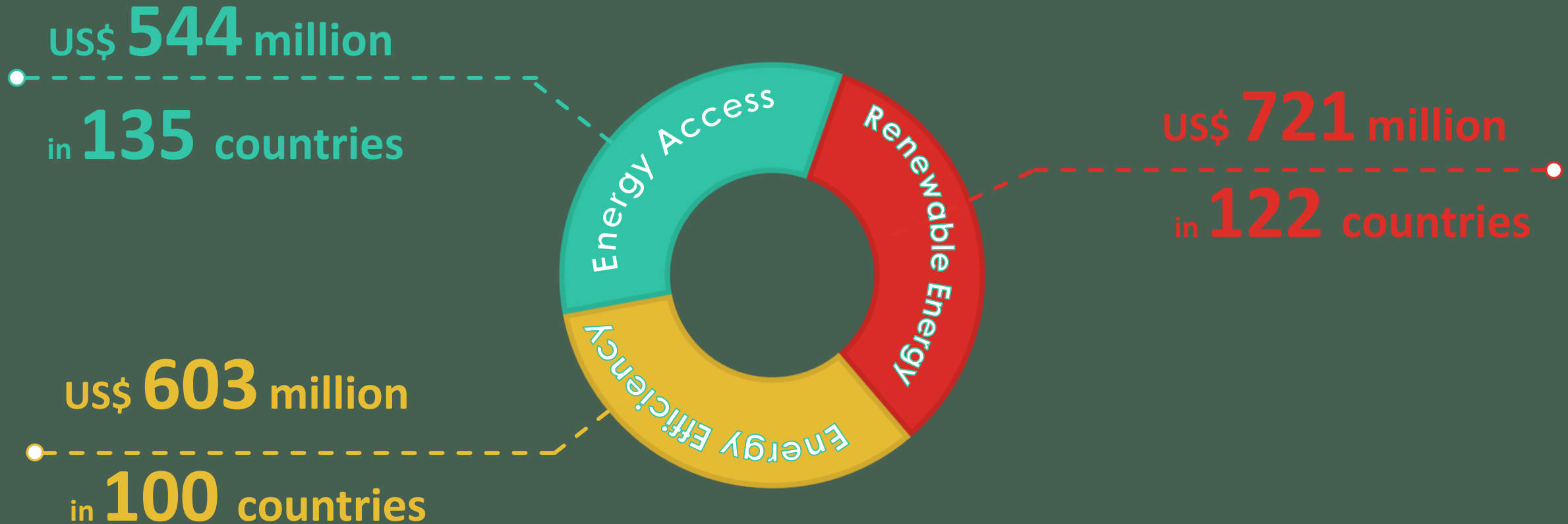
US\$ 1.9 billion
in sustainable energy projects

in **153** 
countries and
territories worldwide

UNDP's Total Investment in Sustainable Energy between 2000 - 2015, by Thematic Area



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UNDP's Investment in Sustainable Energy 2012 – 2015 (4 years)



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US\$
442
million



380
Projects



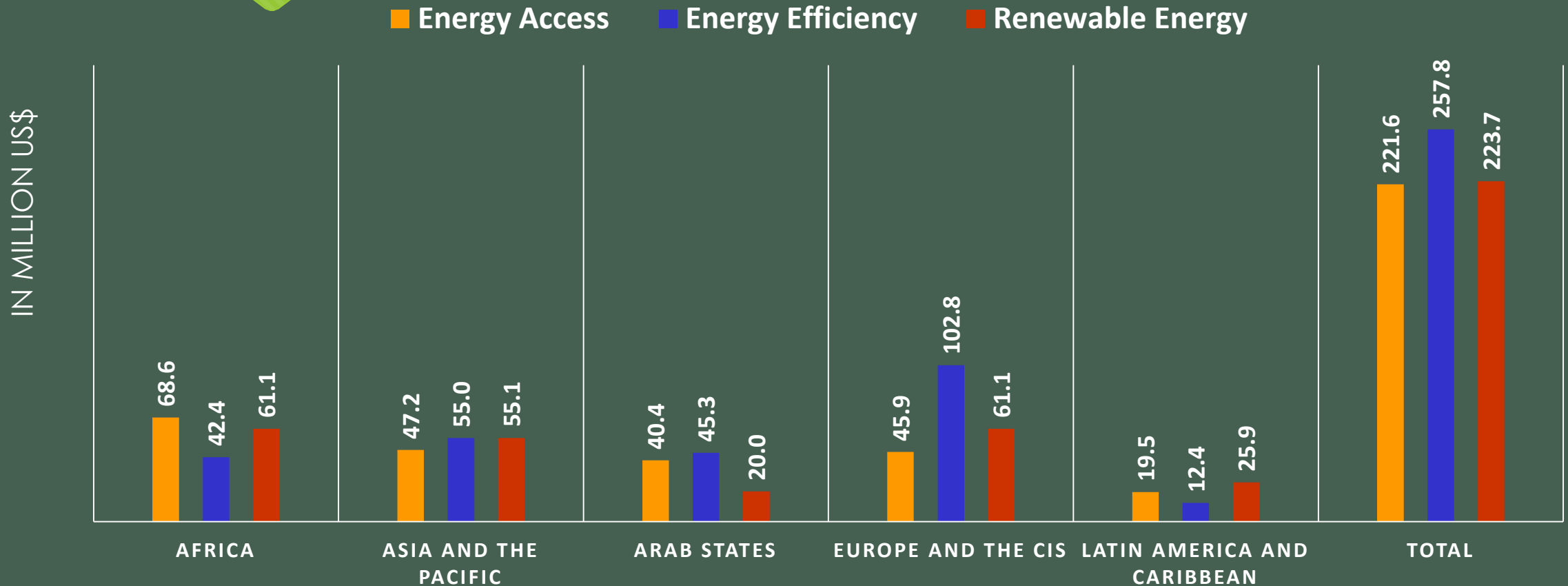
124



UNDP's Energy Investment 2012 – 2015 by Region and Thematic Area



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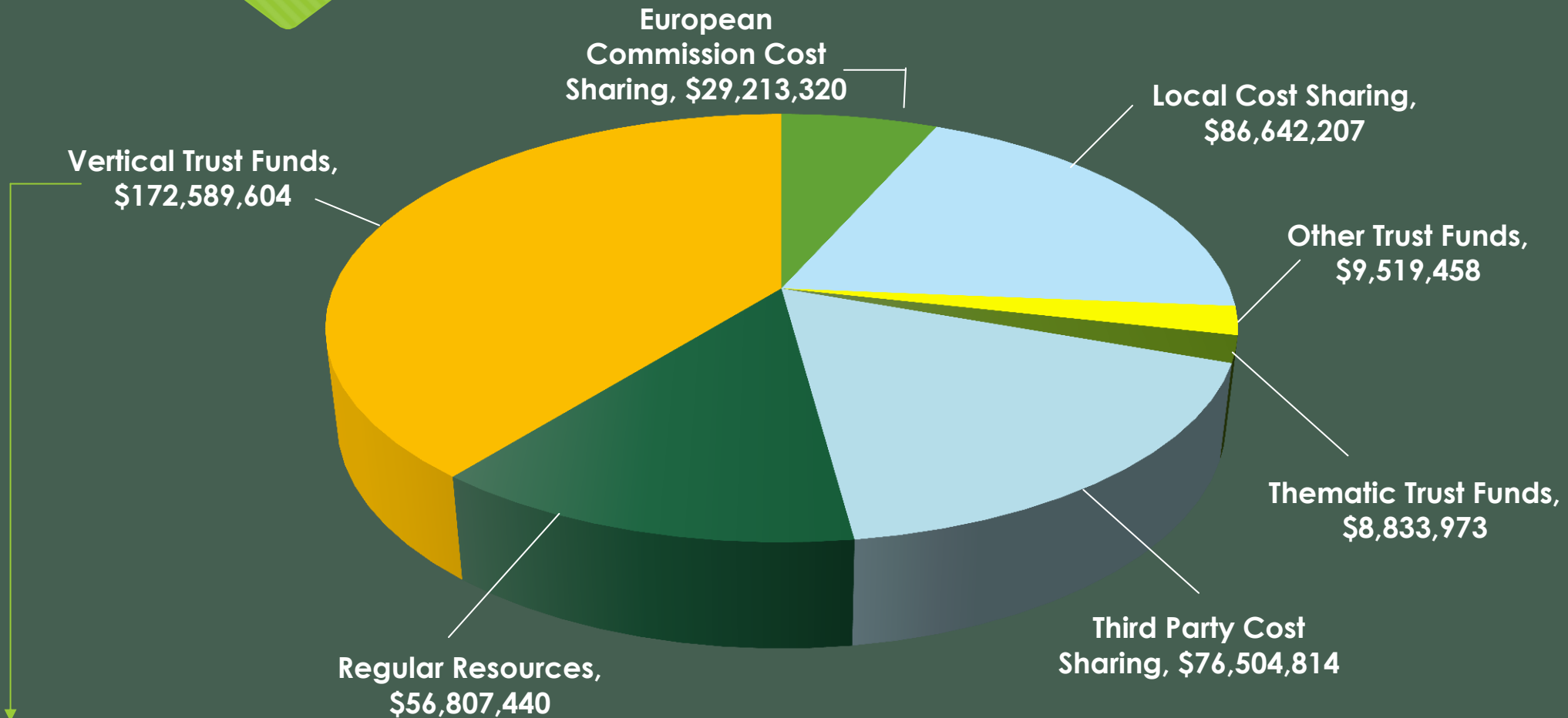


Since energy access, energy efficiency and renewable energy activities often overlap within project activities, aggregating investment in thematic areas in this graph does not yield the total amount of investment.

Funding Sources for Energy Programming over the past 4 years



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Funds from the Global Environment Facility (GEF) make up 99% (US\$ 171,616,959.79) of Vertical Trust Fund energy investment over the past four years.



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UNDP's Work on Sustainable Energy in Africa, 2012-2015

Over the past 4 years, UNDP implemented



95
Sustainable
Energy
Projects



benefiting

3.35
Million people



in **38**
Countries

leading to

23 million
tCO₂e
directly reduced



impacting



3,472
Communities

UNDP's Work on Sustainable Energy in Africa, 2012-2015



US\$ 92.2

million investment
in energy projects

of which **20%**
was invested in energy
efficient cook stoves projects

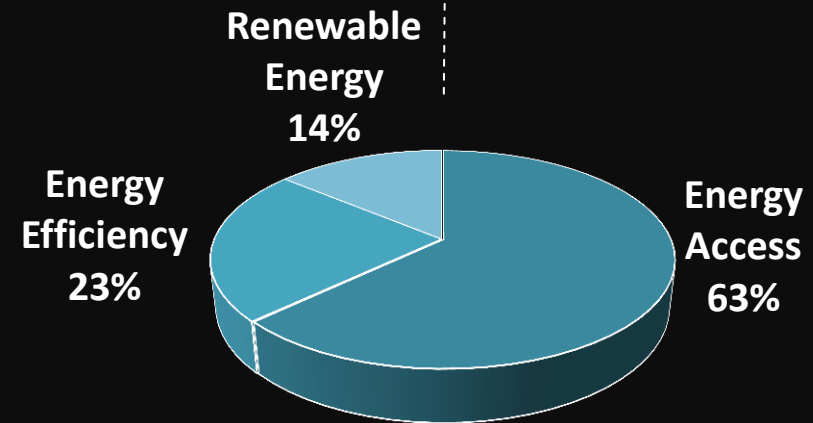


Portfolio breakdown of projects by Thematic Area in 2016

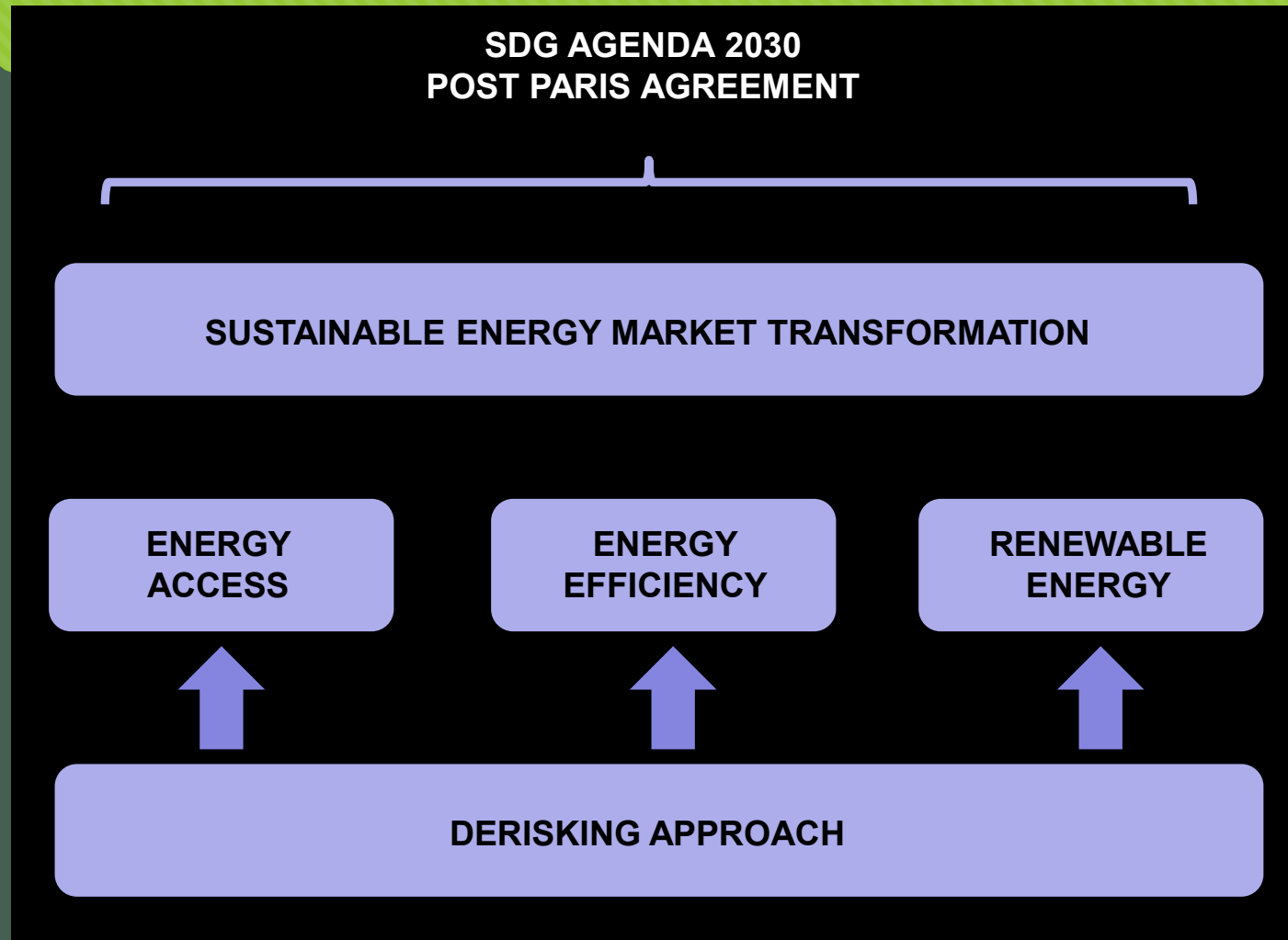
Currently

71

Projects in total



UNDP's new sustainable energy framework



Derisking sustainable energy investments

REDUCING RISK

Removing the underlying barriers which create risk.

In Uruguay, UNDP has supported the government to put in place a policy framework for independent power producers in the wind energy sector. This legislation has reduced the policy risks surrounding potential investment. 430MW of wind farms are now operational, with 1GW in investment anticipated by the end of 2016. Furthermore, increased wind investment has already resulted in lower retail tariffs for consumers.

TRANSFERRING RISK

Shifting risk from the private to the public sector.

In Georgia, UNDP has partnered with KfW, to design a credit-line facility for commercial banks to lend to **small hydro plants**. With the backing of KfW, local banks have now become comfortable lending in this promising sector. The KfW facility directly led to financial closure for an initial two small hydro plants and has since been significantly scaled-up.

COMPENSATING FOR RISK

Providing higher returns through financial incentives.

In Mauritius, UNDP contributed to the capitalisation of a feed-in tariff fund to promote roof-top **solar photovoltaic (PV)**. The feed-in tariff scheme pays a premium price to commercial and residential investors in solar PV, generating a sufficient return to attract investment. The feed-in tariff scheme, part of the government's *Maurice Ile Durable initiative*, has been fully subscribed by investors.



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THANK YOU!