

# **Annual Report on the Implementation of the Work Programme and Budget for 2020-2021**

**Francesco La Camera**  
**IRENA Director-General**

**18-21 January 2021 • Abu Dhabi**

# Leading Authority for Renewable Energy

---

- Oriented to actions and results
- Adapting to changes
- Reinforcing collaboration with the private sector
- Enhancing its own capacities
- Attracting the best professionals
- Empowerment/Accountability of the Personnel
- Open and ready to dialogue with the stakeholders

# COVID-19 and energy transitions

**\$183bn**

G20 committed  
to clean energy  
in 2020

**GHG**

**7%**  
in 2020

**24 countries  
& EU**

announced net zero  
strategies

- Argentina
- Brazil
- Bhutan
- Canada
- Chile
- China

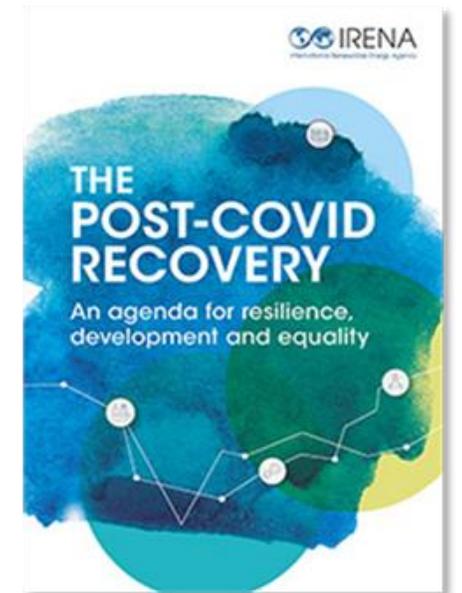
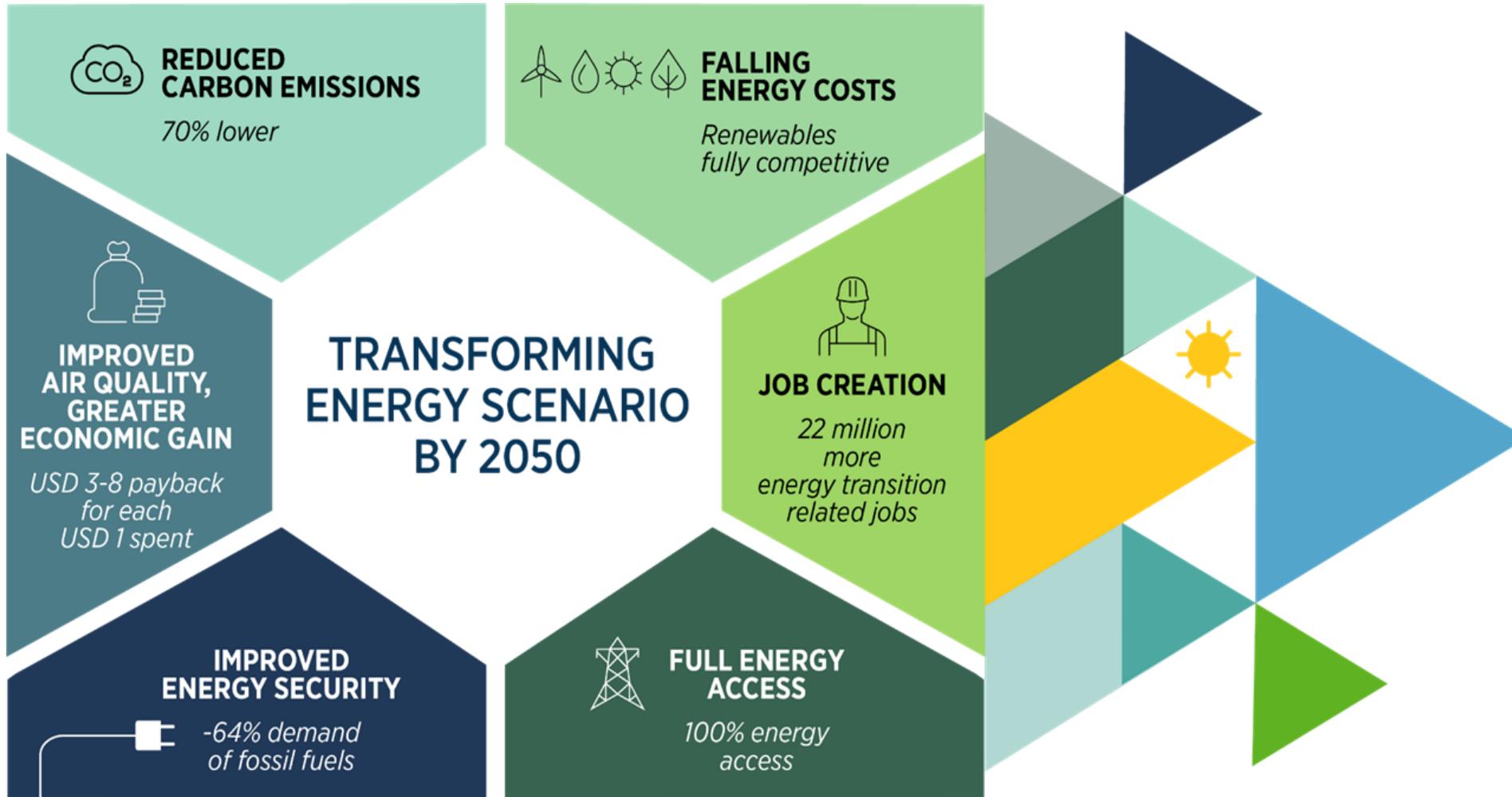
- Colombia
- Costa Rica
- Fiji
- Grenada
- Iceland
- Japan

- Maldives
- Marshall Islands
- Nepal
- New Zealand
- Panama
- Singapore

- South Africa
- Republic of Korea
- Switzerland
- United Kingdom
- USA
- Uruguay

- EU

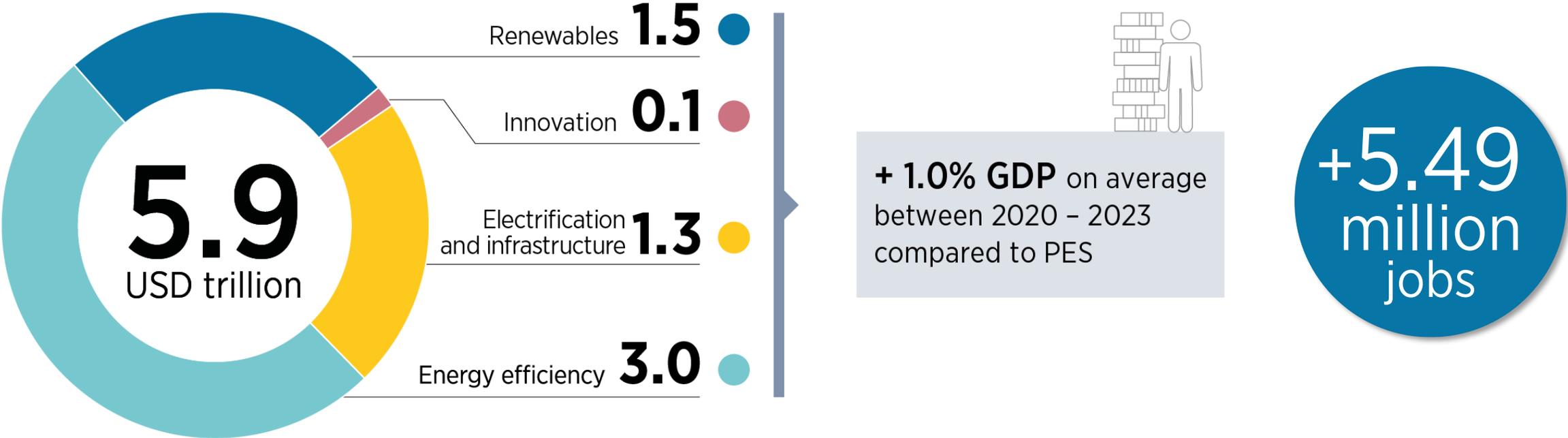
# Global Renewables Outlook and post-COVID Recovery



# Post-COVID Recovery: An agenda for resilience, development and equality

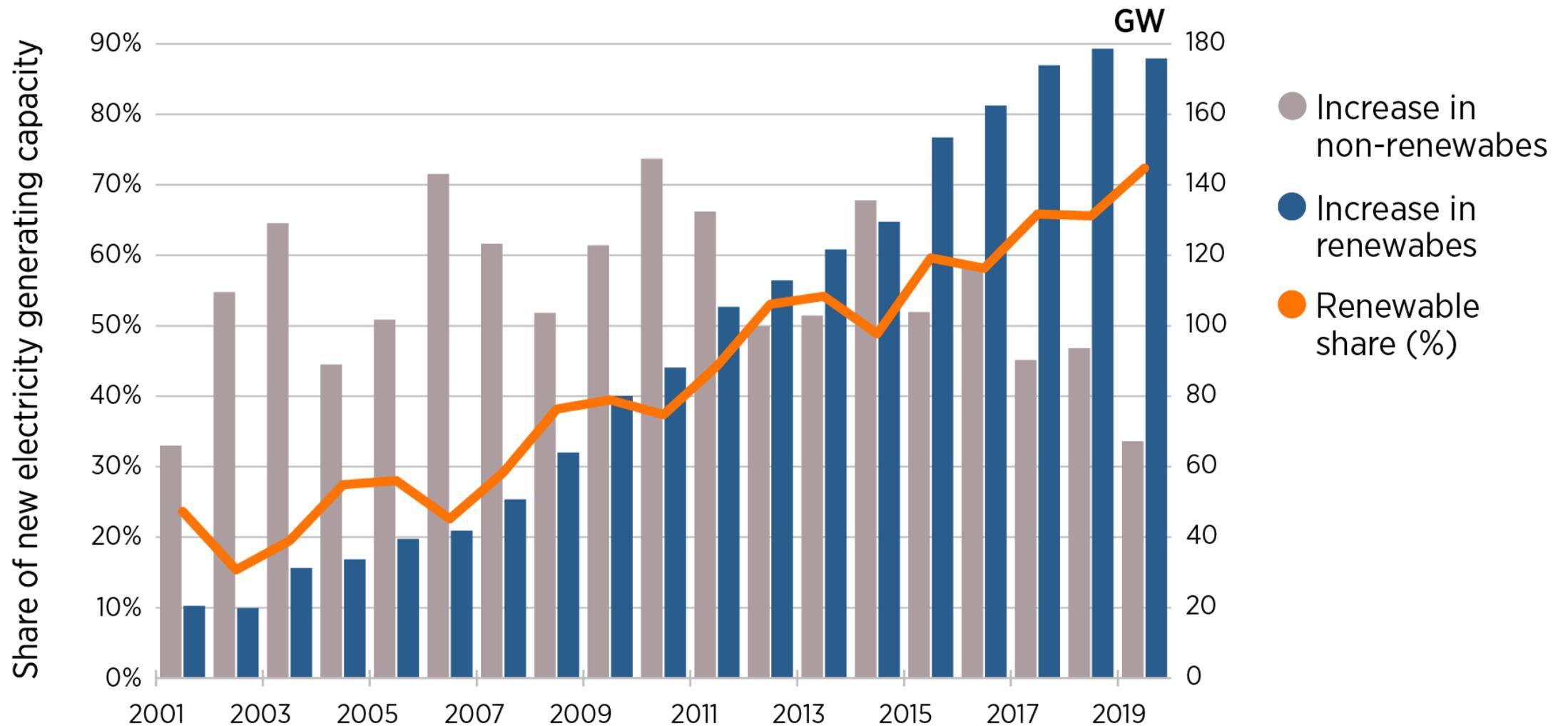
## 2023 - Immediate investment opportunities

Cumulative clean energy investments between 2021 and 2023 in the Transforming Energy Scenario (USD<sub>2019</sub> trillion)

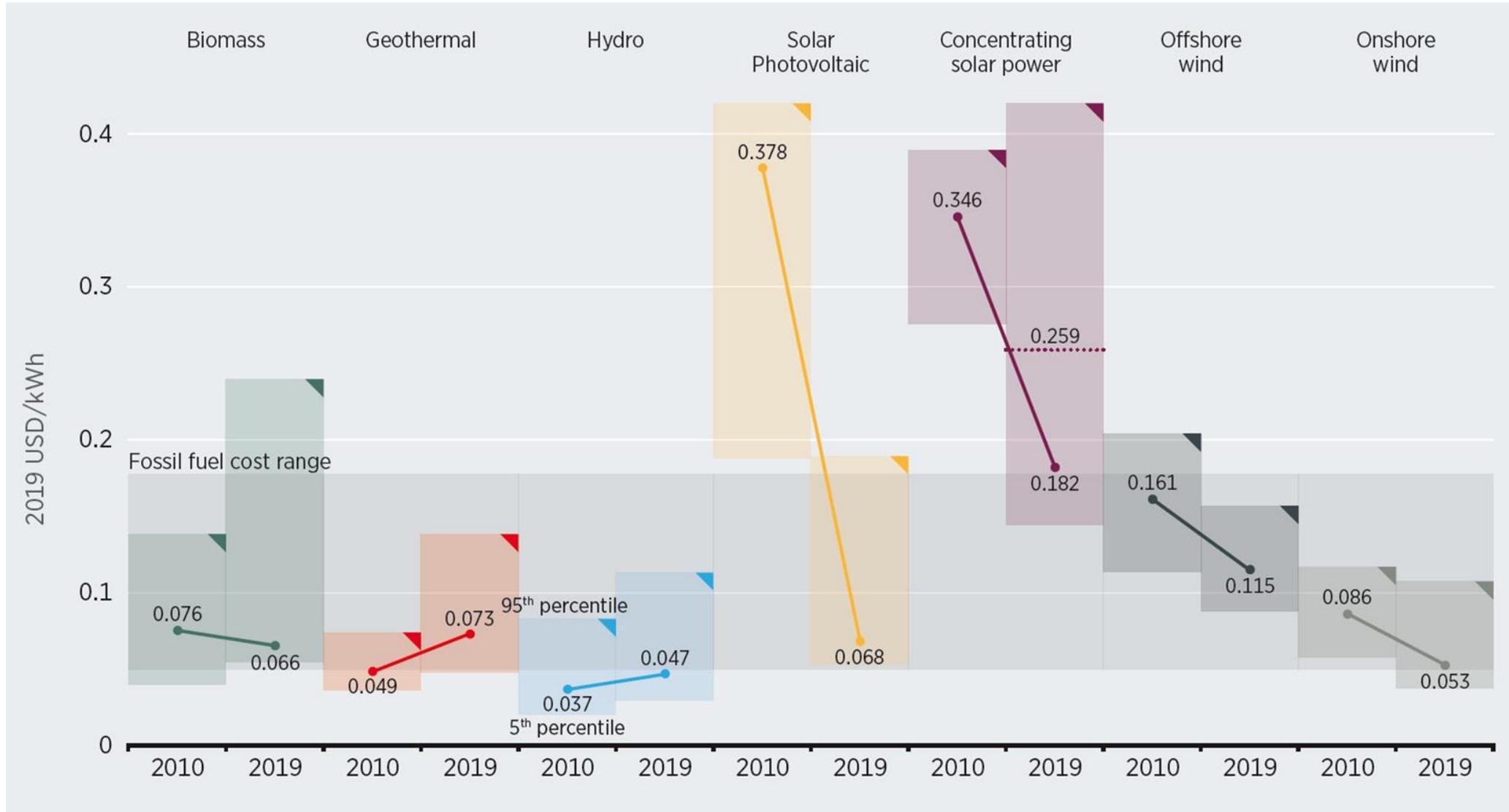


Investments in energy transition technologies needs to grow two-fold between 2021 and 2023 (USD 2 trillion per year) compared to 2019 levels (USD 825 billion)

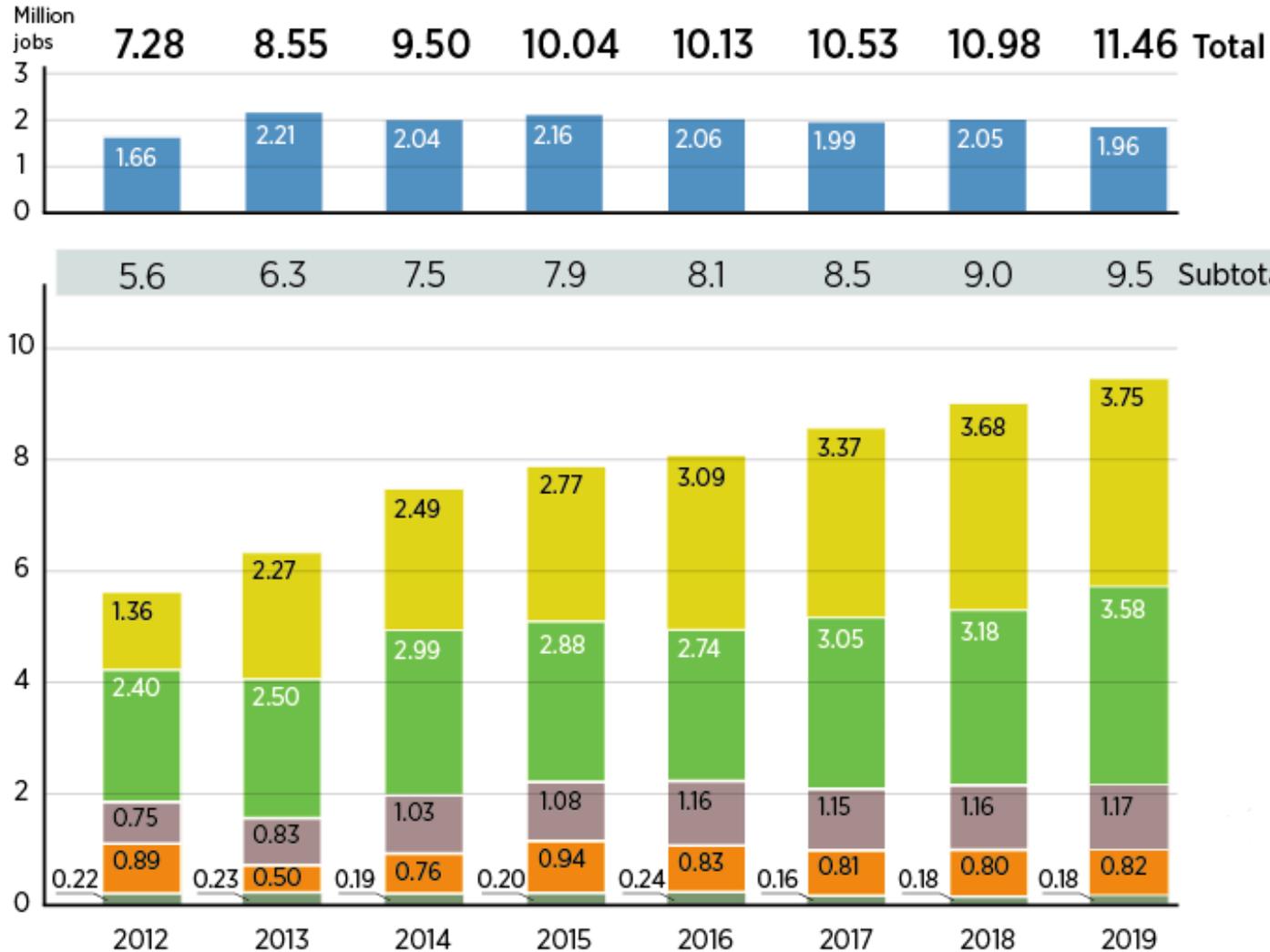
# Renewables now account for one third of global power capacity



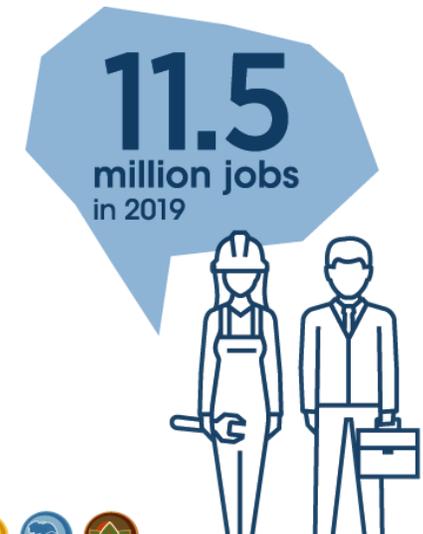
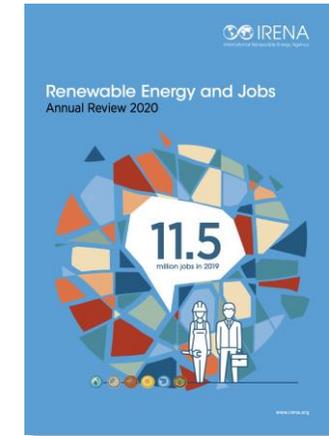
# The cost of renewables continues to fall



# Global renewable energy employment by technology, 2012-2019



- Hydropower
- Solar photovoltaics
- Bioenergy<sup>a</sup>
- Wind energy
- Solar heating/cooling
- Others<sup>b</sup>



# IRENA's NDC Engagement

1.3 bn  
people

3 bn  
tonnes  
CO<sub>2</sub> – eq.  
annually

17 LDCs  
20 SIDS

## LATIN AMERICA

- Cuba
- Ecuador
- El Salvador
- Nicaragua
- Panama
- Paraguay
- Uruguay

## SSA

- Benin
- Botswana
- Chad
- Eswatini
- Ethiopia
- Gabon
- Gambia
- Liberia
- Mali
- Mozambique
- Niger
- Nigeria
- Rwanda
- South Africa
- Uganda
- Zambia
- Zimbabwe

## EUROPE

- Albania
- Belarus
- Georgia
- N. Macedonia
- Turkey

## MENA

- Egypt
- Jordan
- Lebanon
- Sudan
- Tunisia

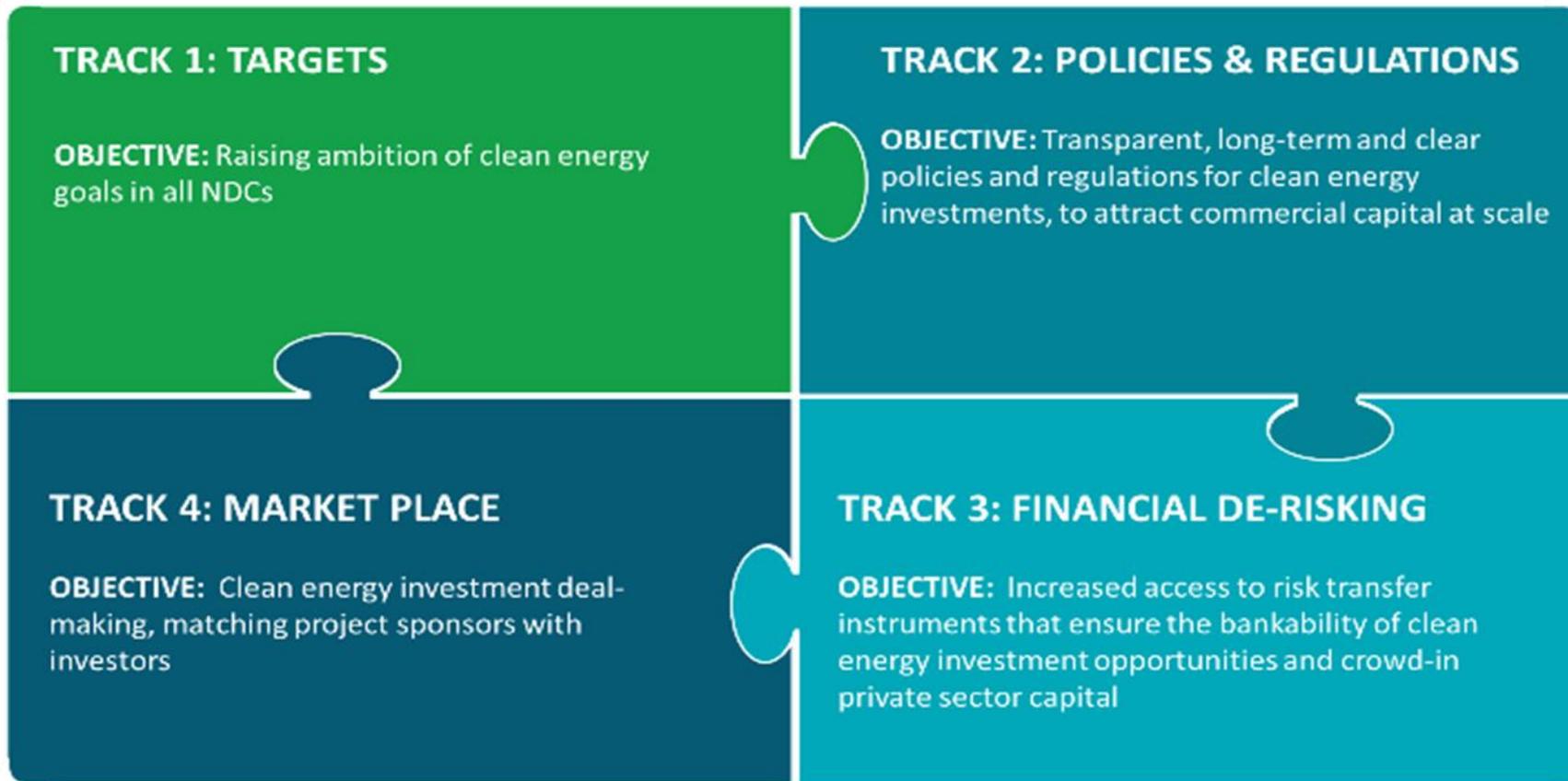
## ASIA

- Azerbaijan
- Bhutan
- Cambodia
- Nepal
- Indonesia
- Kazakhstan
- Kyrgyzstan
- Mongolia
- Myanmar
- Philippines
- Thailand
- Uzbekistan

## SIDS

- Antigua & Barbuda
- Bahamas
- Barbados
- Belize
- Dominica
- Dominican Republic
- Fiji
- Grenada
- Guyana
- Nauru
- Palau
- Papua New Guinea
- Saint Kitts & Nevis
- Saint Lucia
- Samoa
- Sao Tome & Principe
- Seychelles
- St Vincent & Grenadines
- Tonga
- Vanuatu

# Climate Investment Platform



**175  
Projects**

**300  
Partners**

**Creating a virtuous cycle, the platform helps to create the right environment and then helps to attract investment flows**



**GREEN  
CLIMATE  
FUND**

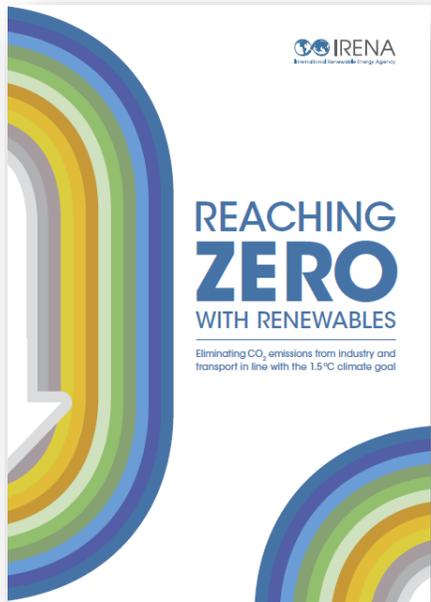


*Empowered lives.  
Resilient nations.*

# Accessible knowledge, data and analyses



# Reaching Zero with Renewables



Reduced demand and improved energy efficiency



Direct use of clean electricity – predominantly produced from renewable sources



Direct use of renewable heat and biomass – including solar thermal, geothermal, biofuels and bio-feedstocks



Indirect use of clean electricity via synthetic fuels and feedstocks – predominantly using renewable electricity



Use of carbon dioxide removal measures – including carbon capture, utilisation and/or storage (CCUS)



# Memoranda of Understanding concluded in 2020



ABU DHABI GLOBAL MARKET  
سوق أبوظبي العالمي



cdp 



دائرة الطاقة  
DEPARTMENT OF ENERGY

WORLD  
ECONOMIC  
FORUM



**EACREEE**  
Building a Sustainable Energy Future

East African Centre of Excellence for  
Renewable Energy and Efficiency



Europäisches  
Patentamt  
European  
Patent Office  
Office européen  
des brevets



**European Bank**  
for Reconstruction and Development



**GWEC**  
GLOBAL WIND ENERGY COUNCIL



**IEF**  
INTERNATIONAL ENERGY FORUM



Ocean Energy  
Europe



**SIDS DOCK**  
SMALL ISLAND DEVELOPING STATES  
ISLAND ENERGY FOR ISLAND LIFE



The  
**ROCKEFELLER**  
FOUNDATION

**UN HABITAT**  
FOR A BETTER URBAN FUTURE



**FEEM**  
FONDAZIONE ENI  
ENRICO MATTEI



UNITED NATIONS  
**ESCAP**  
Economic and Social Commission for Asia and the Pacific



UNITED ARAB EMIRATES  
MINISTRY OF ENERGY & INFRASTRUCTURE

# Collaborative Frameworks

---

## Collaborative Frameworks

## Co-facilitators

**Collaborative Framework  
on Enhancing Dialogue on the Integration  
of Higher Shares of Renewables in Energy Systems**



**Collaborative Framework  
on the Geopolitics of Energy Transformation**



**Collaborative Framework  
on Green Hydrogen**



**Collaborative Framework  
on Hydropower**



**Collaborative Framework  
on Ocean Energy/Offshore Renewables**



## 2020 Performance at a glance

---

94%

**Programme outputs in progress or completed**

- Belgium (Walloon)
- European Commission
- Germany
- Japan

92%

**of 2020 core budget received**

- King Abdullah Petroleum Studies and Research Centre (KAPSARC)
- Korea Energy Economic Institute

USD  
7.6  
million

**received from 11 donors**

- NDC Partnership CAEP
- Norway
- United Arab Emirates
- UNDP
- World Bank (IBRD)

# Performance at a glance – Geographic diversity and gender balance



**Nationalities  
at IRENA**



**Core Staff  
Gender Balance**



**Senior Team  
Gender Balance**



IRENA

International Renewable Energy Agency

**Eleventh Session of the Assembly**

شكرا لكم  
谢谢

**Thank you**  
**Merci**

**Спасибо**  
**Gracias**