The contribution of renewable energy to the Sustainable Development Goals

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Articulating the link between SDG 7 and the other SDGs is essential to maximise development co-benefits.
Renewables and energy efficiency account for 90% of emission reduction potential, at both global and local levels.
Number of countries with renewable energy policies tripled since 2004

- **Eurasia, Europe, North America, Oceania**: 25 countries with NDCs, 12 countries mentioning renewables, 5 countries with quantified targets.
- **Middle East**: 13 countries with NDCs, 13 countries mentioning renewables, 8 countries with quantified targets.
- **Asia**: 29 countries with NDCs, 26 countries mentioning renewables, 14 countries with quantified targets.
- **Latin America**: 19 countries with NDCs, 16 countries mentioning renewables, 13 countries with quantified targets.

Legend:
- Countries with NDCs
- Countries mentioning renewables in their NDCs
- Countries with quantified renewable energy target in their NDCs
Renewables and human development

Quality Education

Improved health

Clean water

Nutrition

Gender equality
Decarbonising the energy sector increases global GDP by around 0.8% in 2050, equivalent to 1.6 trillion USD.
Impacts on global GDP and sustainable growth

Renewable jobs reach 26 million in 2050, from close to 10 million today.
Renewables key to alleviating power sector water stress in India

- Higher share of renewable energy
- Higher efficiency of cooling technologies
- Water withdrawal intensity (m³/MWh) -84%
- Water consumption intensity (m³/MWh) -19%
- Carbon intensity (gCO₂/kWh) -36%
Role of Renewable Energy in meeting SDGs

Key pillars can help decision makers step up their efforts to maximise the social, economic and environmental benefits and meet multiple Sustainable Development Goals.
IRENA/ADFD Project Facility projects selected for funding

- **First cycle projects**
  - CUBA: USD 15m, 10 MW
  - ARGENTINA: USD 15m, 4 MW
  - SENEGAL: USD 13m, 2 MW
  - SIERRA LEONE: USD 9m, 6 MW

- **Second cycle projects**
  - MAURITANIA: USD 6m, 1 MW
  - MALI: USD 9m, 4 MW
  - SOLOMON ISLANDS: USD 15m, 20 MW
  - MARSHALL ISLANDS: USD 11m, 4.6 MW
  - SAMOA: USD 7m, 3 MW

- **Third cycle projects**
  - MAURITANIA: USD 6m, 1 MW
  - NIGER: USD 10m, 2.1 MW
  - IRAN: USD 6m, 5 MW

- **Fourth cycle projects**
  - ANTIGUA & BARBUDA: USD 15m, 4 MW
  - ST. VINCENT & THE GRENADINES: USD 15m, 15 MW

- **Fifth cycle projects**
  - ECUADOR: USD 5m, 3.4 MW
  - BURKINA FASO: USD 10m, 3.6 MW
  - RWANDA: USD 15m, 7.5 MW
  - MAURITIUS: USD 10m, 10 MW

More than **3.5 million** people benefiting
Over **50,000 jobs** being created
**120 MW** renewable capacity

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