

UNDP's Approach and Work on Sustainable Energy

Presented by Bahtiyar KURT



UNDP's Strategy 2022-2025

- Expand human capabilities through which 100 million people can escape multidimensional poverty
- Support 800 million people to exercise their democratic right to vote, many for the first time
- **Support access to clean energy for 500 million people**
- Promote the investment of over \$1 trillion of public expenditure and private capital in the SDGs



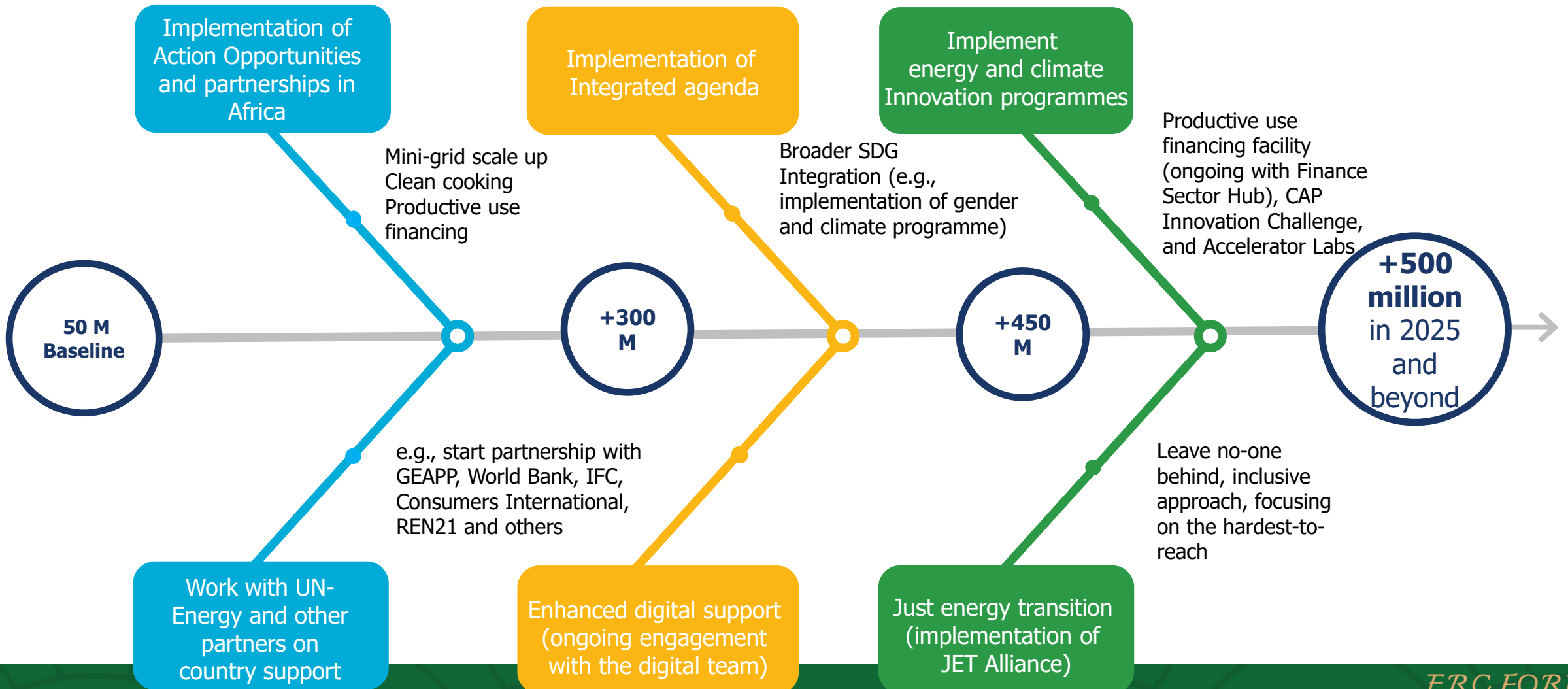


Closing the gap on **energy access**

Increasing **energy resilience** in crisis
and fragile contexts

Accelerating a just and inclusive
energy transition

Clean energy access for 500 million more people by 2025





Our flagship initiatives

Our flagship initiatives are key programmes, partnerships, and activities that enable us to catalyze action and scale-up impact.

- DERISKING RENEWABLE ENERGY INVESTMENTS** >
- CARBON PAYMENTS FOR DEVELOPMENT** ↗
- AFRICA MINIGRIDS PROGRAM** ↗
- CLIMATE PROMISE** ↗
- CLIMATE AGGREGATION PLATFORM** >
- CLIMATE INVESTMENT PLATFORM** ↗
- ENERGY4SAHEL** >
- SOLAR FOR HEALTH** >



UNDP's Structure



- Sustainable Energy Hub
- Climate Hub
- Chemicals and Waste Hub
- Regional Bureaus and Country Offices



Track Record over 100 Countries

- \$487 million in grants towards active projects
- Over 117 active projects in vertical fund portfolio, expected to contribute to 135 million tonnes of CO₂e reductions
- Enabling an estimated 35 million people to access clean energy





Vertical Fund Projects in Asia and the Pacific

	Country	Grant Amount	Co-Financing	#Projects
Pipeline	Indonesia	10,406,714	126,185,000	1
	Mongolia	7,261,694	70,000,000	1
	Philippines	10,000,000	92,900,000	1
	Viet Nam	7,144,454	42,000,000	1
Approved/ Endorsed	Bangladesh	5,556,801	86,200,000	2
	India	4,484,357	94,859,523	1
	Myanmar	4,934,228	37,950,000	1
	Pakistan	3,439,041	21,150,446	1
Under Implementation	Afghanistan	17,198,843	4,200,000	1
	China	27,208,219	257,463,687	3
	Indonesia	12,474,872	128,668,084	3
	Kiribati	5,379,452	26,923,300	1
	Micronesia	1,776,484	3,500,000	1
	Nauru	3,302,968	22,765,000	1
	Niue	3,321,563	17,706,000	1
	Papua New Guinea	2,840,640	24,760,000	1
	Philippines	7,839,726	60,742,201	2
	Samoa	6,075,828	46,489,200	1
	Solomon Islands	2,639,726	16,525,531	1
	Tuvalu	2,639,725	15,900,000	1
	Vanuatu	2,639,726	18,162,444	1
Total		148,565,061	1,215,050,416	27



Mongolia

China

Afghanistan

Pakistan

India

Bangladesh

Myanmar

Vietnam

Philippines

Indonesia

Papua New Guinea

Micronesia

Nauru

Soloman Islands

Vanuatu

Fiji

Tuvalu

Kiribati

Samoa

Niue



Main Themes of UNDP Action



Renewable Energy

- *Solar, wind, geothermal*

Energy Efficiency

- *Buildings, lighting, appliances, cooling, industry*

Green Cities

- *Urban design, planning, waste and circularity*

Sustainable Transport

- *E-mobility, active mobility, transport planning*





Indonesia Market Transformation for RE and EE



- GEF Grant of \$ 8,025,000, March 2017 - June 2023
- Assisted 7.9 MW biomass, 35 MW hydro, 26 MW mini-hydro, and 2 EE projects.
- Incentive for solar PV rooftop of 15.5 MW total installed capacity; leveraged 14 million investment.
- Finance mechanism: % cash incentive per beneficiary's category of total CAPEX (IDR 15 million/kWp)
 - Household: 9-13%
 - Business: 7-30%
 - Industry: 17%
 - Social: 25-45%
- Total of 30.5 MW installed RE capacity, 1,004 MWh saved energy, and 99,913 tCO₂ eq GHGs emissions reduction.



Bhutan Sustainable Low-Emission Urban Transport Systems



- GEF Grant of \$2,640,000
- *Sep 2018 - Sep 2023*
- *To facilitate low-carbon transition in urban transport*

- *15 DC fast chargers + 13 AC chargers.*
- *Financial mechanism:*
 - *70% working capital support as short-term loan to local EV dealers through Bank of Bhutan, with government as guarantor.*
 - *20% direct cash subsidy*
 - *10% cost for buyers.*
 - *Replacement of 280 taxis with electric vehicles (EV)*



undp.org/energy

bahtiyar.kurt@undp.org