



**ESTABLISHMENT OF
ECO CLEAN ENERGY CENTRE**



Joint ECO-UNIDO Project

PRESENTATION BY ECO SECRETARIAT

MARCH 2022

Brief snapshot on eco

MAP OF ECO REGION



- The Economic Cooperation Organization is a regional intergovernmental organisation
- Member countries from Europe, the Caucasus, Central, West and South Asia
- Population count almost half a billion inhabitants
- Geography span over eight million square kilometres
- Afghanistan, Azerbaijan, Iran, Kazakhstan, the Kyrgyz Republic, Pakistan, Tajikistan, Turkey, Turkmenistan, and Uzbekistan.

ECO – IN GLOBAL AGENDA AND ENERGY POLICY

Global agenda






- The ECO Member States are involved in addressing the challenges/opportunities exposed by the global issues of regional and national impacts.
- SDG Goals are prioritized throughout all ECO agenda.

Energy landscape

- Energy cooperation paradigm shift toward energy efficiency and renewable energy.
- Enhancement of energy security and sustainability through wider energy access and trade as ECO's strategic objective.

ENERGY POVERTY

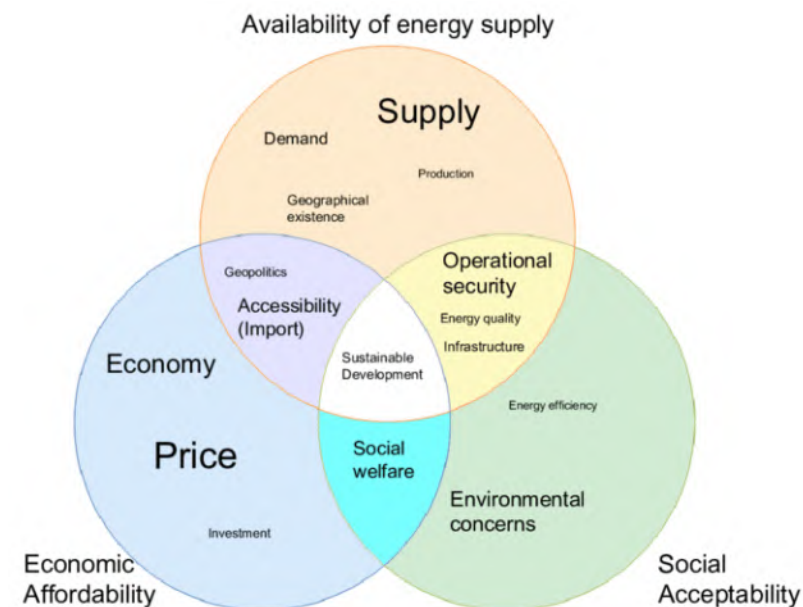
Key Findings of the
Tracking SDG7: The Energy Progress Report

2010		Latest Data
1.2 billion people without access to electricity		759 million people without access to electricity (2019)
3 billion people without access to clean cooking		2.6 billion people without access to clean cooking (2019)
16.4% share of total final energy consumption from renewables		17.1% share of total final energy consumption from renewables (2018)
5.6 MJ/USD primary energy intensity		4.8 MJ/USD primary energy intensity (2018)
10.6 USD billion international financial flows to developing countries in support of clean energy		14 USD billion international financial flows to developing countries in support of clean energy (2018)

CLIMATE CHANGE MITIGATION AND ADAPTATION



ENERGY SECURITY



Energy challenges in developing and transition countries: GLOBAL PERSPECTIVE

ECO: The need for a regional initiative



10 countries/8mln sq^{km}/half bln people

Strategic objective of ECO

Potential RE Sources

Growing interest in RE & EE

- Need for energy efficiency solutions

- Increasing share /dynamics of RES in the global energy mix

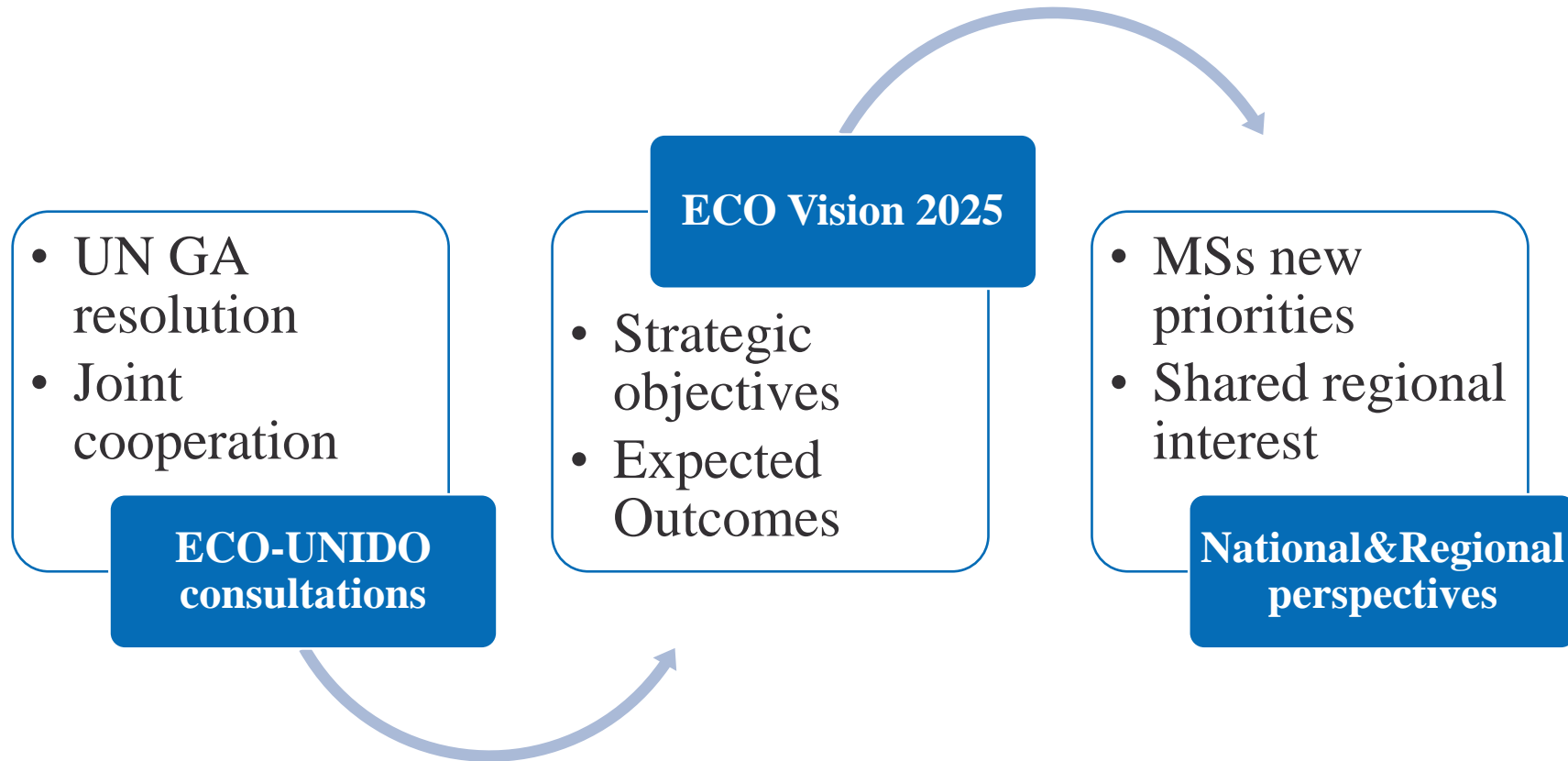
- Vulnerability: Poverty; Remoteness; Climate exposure

Some ECO Member States have set ambitious renewable energy targets

Country	Sector	Target
Azerbaijan	Electricity	2 GW by 2020
Iran	Solar and wind power	5 GW (by 2020)
Kazakhstan	Electricity Primary energy mix	1.04 GW by 2020 50% share of RES by 2030
Kyrgyzstan	Renewables	100 MW by 2025
Pakistan	Electricity Primary energy mix	10,000 MW by 2030 10% share by 2015
Tajikistan	Hydropower (small-scale)	100 MW by 2020
Turkey	Bio-power from solid biomass Geothermal Hydropower Solar Wind	1 GW by 2023 1 GW by 2023 34 GW by 2023 5 GW by 2023 20 GW by 2023

Source: Global Status Report by Renewable Energy Policy Network for the 21st Century (REN21)

Background



OBJECTIVES



Support the transformation to cleaner and sustainable energy sources



Contribute to intra-regional trade by utilization of RE&EE



Increase awareness on clean energy technologies



Create a robust market on clean energy for regional economic growth



Contribute towards increased access to modern, affordable and reliable energy

EXPECTED OUTCOMES

- EFFECTIVE REGIONAL RE&EE PROMOTION AGENCY
- COST-EFFECTIVE EE
POLICIES/STRATEGIES/TECHNOLOGIES
- INCREASED SHARE OF RE&EE PRODUCTS/SERVICES

*POLICY/REGULATORY/INCENTIVE FRAMEWORKS FOR EE
INVESTMENTS/MARKETS*

ENHANCEMENT OF CAPACITIES OF THE LOCAL INDUSTRY/BUSINESS

INVESTMENT/MARKET DATA/AWARENESS/ ADVOCACY

INVESTMENTS IN INFRASTRUCTURE/SERVICES/ BUSINESSES

CECECO FOCUS AREAS



ENABLING POLICY

- Policy baseline
- Policy design
- Policy implementation



EVIDENCE & KNOWLEDGE

- Potential based energy profile
- Socially inclusive energy studies
- Energy outlook/decision support tool



ENHANCED INNOVATION, ENTREPRENEURSHIP & INVESTMENT

- Investment landscape
- RE&EE enterprise development (incubation & acceleration; business ecosystem)
- Investment



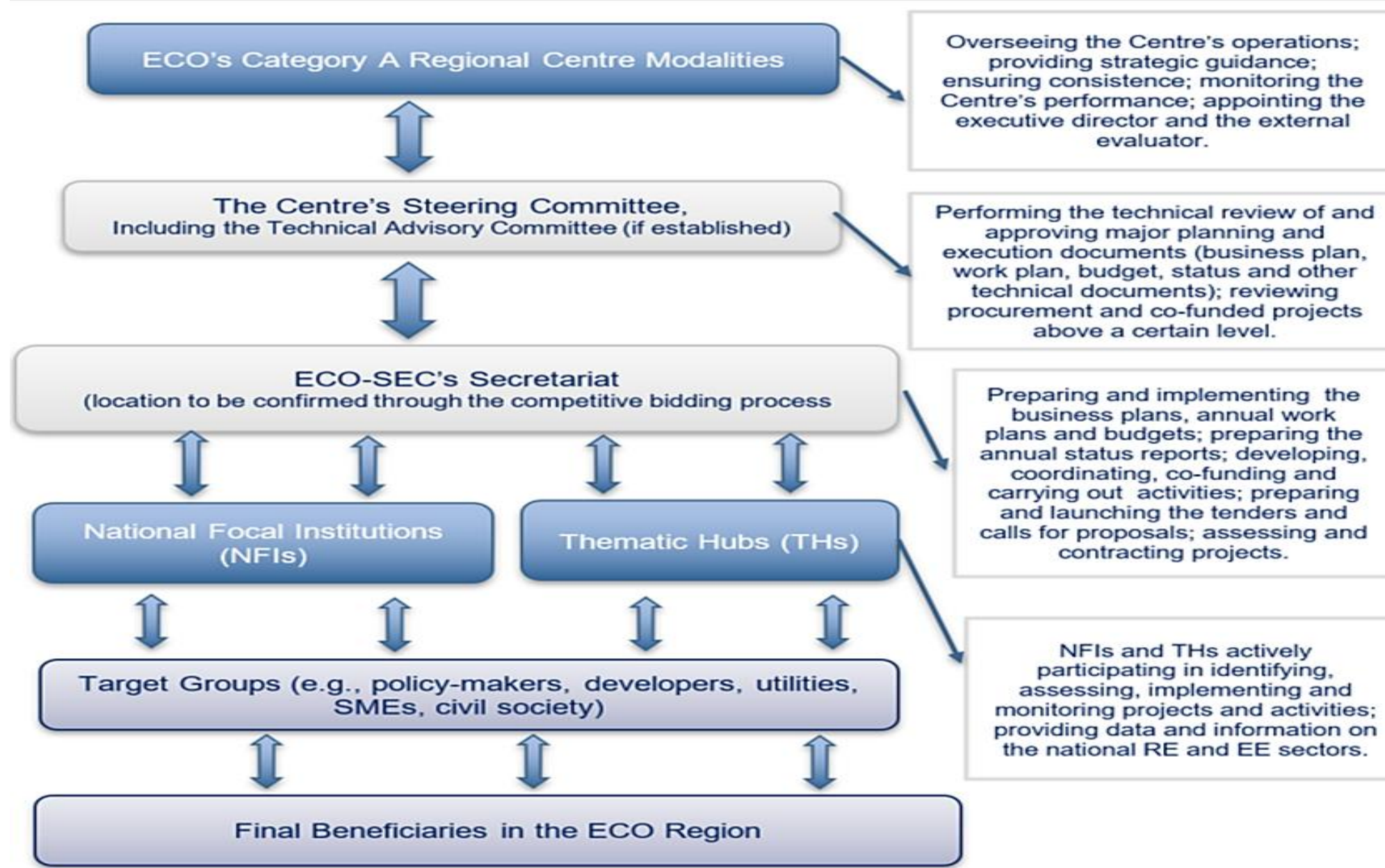
STRENGTHENED CAPABILITIES

- Capacity needs assessment
- Capacity strengthening

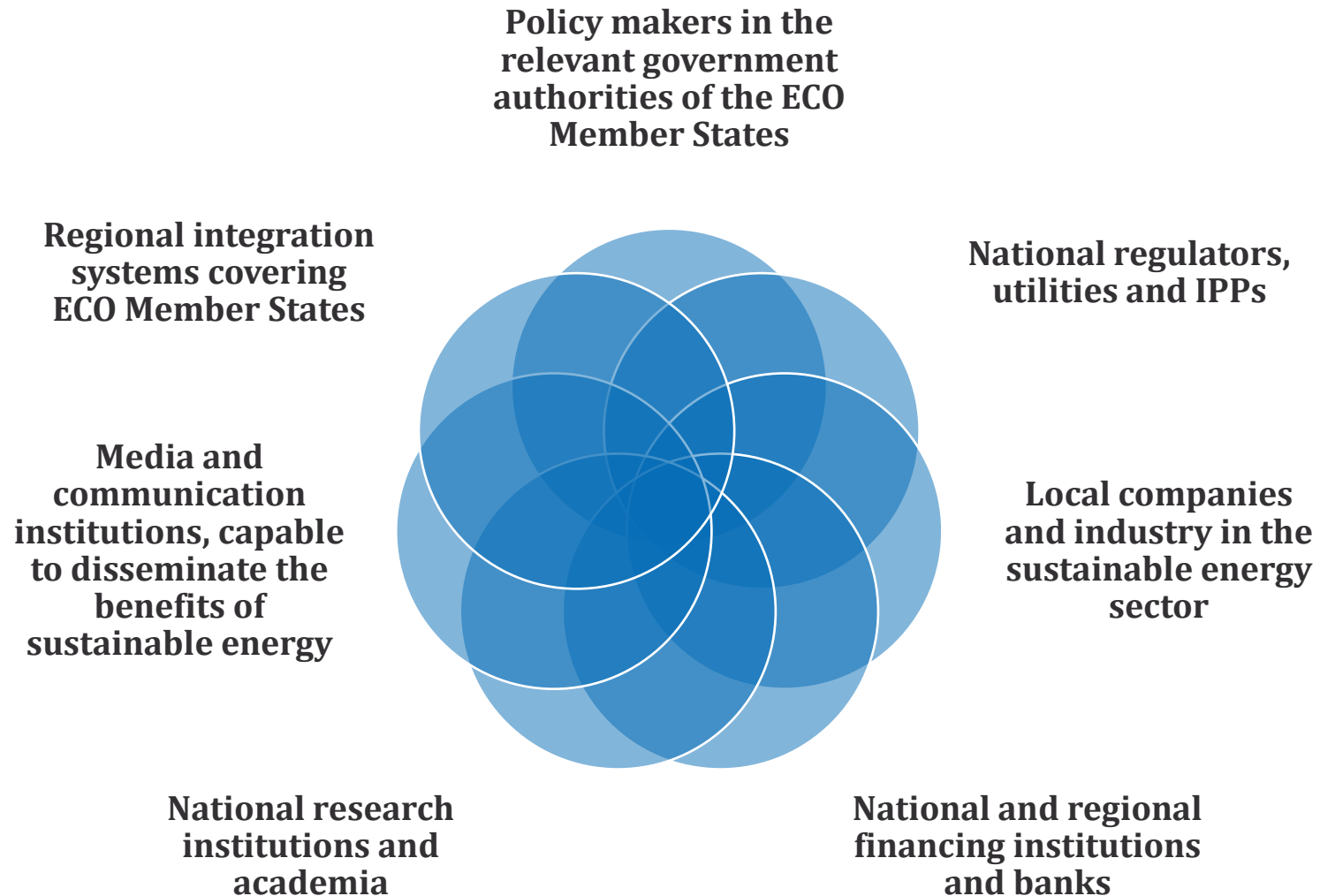
SUSTAINABLE & EQUITABLE ACCESS TO RENEWABLE ENERGY & ENERGY EFFICIENT SOLUTIONS FOR RESILIENT MOUNTAIN DEVELOPMENT



The Governance Structure for the Centre

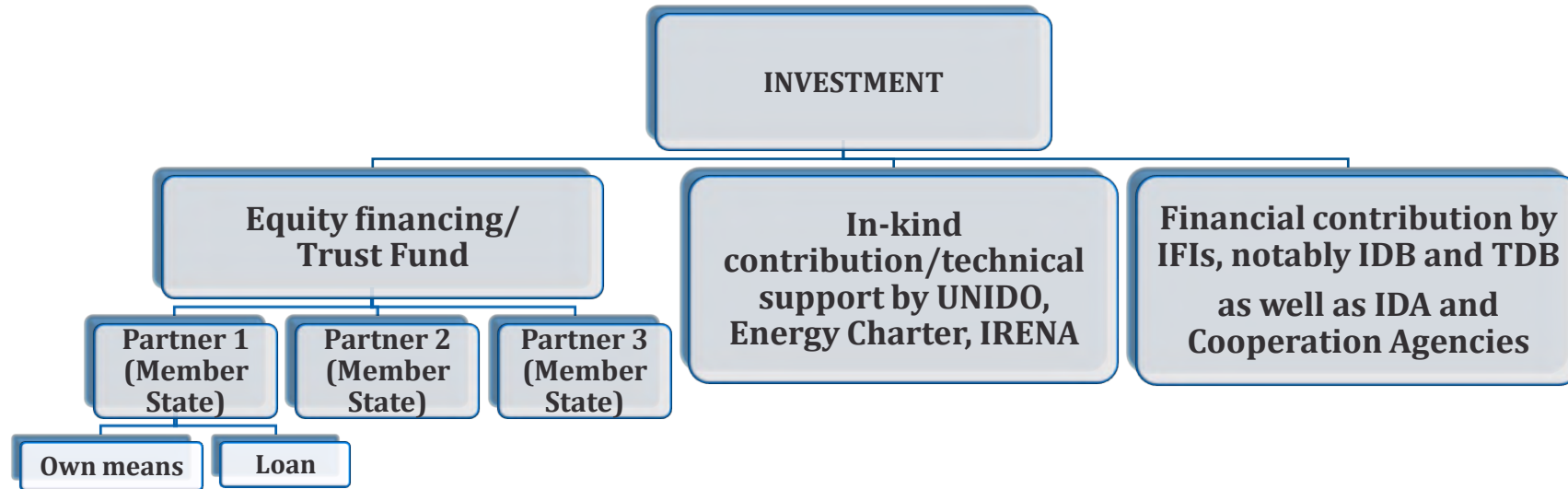


Beneficiary Groups



INDICATIVE Financing structure at start-up phase

! Small size of energy efficiency projects results in higher transaction costs



INDICATIVE BUDGET REQUIREMENTS

Effective regional Centre created and efficiently managed

Policy, regulatory and incentive frameworks to promote clean energy investments/markets developed and implemented

Capacities of local industry and business sector on clean energy are strengthened and applied

Availability of investment/market data, awareness and advocacy on clean energy are strengthened

Investments in clean energy infrastructure, services and businesses are mobilized and implemented

Modus Operandi

- Preparatory phase of the project has been finalised by deliverables of BNA, FS and PD
- The project location is selected Republic of Azerbaijan through competitive process
- The executing agency will be Secretariat of the Centre



TOWARDS MAINSTREAMING SUSTAINABLE ENERGY TRANSITION

